Fairfax County

Pohick Creek Watershed

Initial Project Ranking

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Introduction

The Fairfax County Watershed Management Plan Standards Version 3.2 (WMP 3.2) requires an initial ranking of the Pohick Creek Watershed improvement candidate projects created for subtask 3.2. This ranking will be used to help to determine the preliminary 0-10 and 11-25-year project groups. The ranking employed the following methods:

1. Structural projects were scored and ranked using the quantitative analysis detailed in Subtask 5.1-E. This analysis uses five factors to compare and rank the projects. The factors include: (1) impact indicators, (2) source indicators, (3) priority subwatersheds, (4) sequencing, and (5) implementability. Each proposed project was assigned a score for each of the five prioritization factors, where projects that propose the greatest benefit to the watershed were given a preliminary project score of 5, and projects that propose the least benefit were assigned a project score of 1. The proposed structural projects were then ranked according to a weighted average of these five preliminary project scores.

2. Non-structural projects were scored using similar factors, but more emphasis was placed on best professional judgment (BPJ). Buffer restoration projects were scored similar to the prioritization schemes because of their similar qualities to those of stream restoration projects which can be quantified.

This memo provides a brief description of the methods used for the candidate project selections, the field investigations, community involvement, the project cost estimates, and water quality modeling. This information was used for the evaluation of the structural and nonstructural projects as outlined by subtask 3.4 and 3.5 (WMP 3.2). A list of the guidance documents used for this evaluation can be found in the bibliography in Appendix A. Additionally a description of all files used for the prioritization is provided in Appendix B.

Project Ranking Subtasks

Candidate Project Selection

In subtask 3.2, projects were strategically proposed throughout subwatersheds with the lowest composite impact and source indicator scores. Proposed projects were selected by comparing the lowest scoring impact indicators to the types of proposed projects to ensure proposed projects would provide the most benefit within each subwatershed. The candidate projects were then located and saved in the GIS file *PC_Projects*. (See Appendix L for a map of the candidate projects.) The candidate projects were then presented at watershed advisory group meetings for community input. This input was used to modify the project selection and was added to the ranking comments for score adjustments (See Appendix C: Pohick Creek Master Project List).

Regional Pond Alternative Projects

Using the WMP Standards 3.2, all unconstructed regional ponds from the County's current Regional Pond Program were evaluated for inclusion into one of the following disposition categories (see Table 1 Category column) developed with the Cub Run and Difficult Run watershed plans:

1. Recommend deletion of the proposed regional pond and implementation of a group of alternative projects.
2. Recommend deletion of the proposed regional pond and no alternative projects are necessary.
3. Recommend deferral of the proposed regional pond and implementation of a group of alternative projects. If the alternative projects cannot be implemented, then a modified scope regional pond may be considered at a future date.
4. Recommend implementation of a reduced-size or modified regional pond. If the pond still cannot be implemented, then pursue implementation of a group of alternative projects.

Table 1: Regional Pond Data (from Pond_on_Grid_UPDATED_020409.shp)

Status*	Project Name*	StatJan08 *	Stormnet ID*	Constructed	Category	Alternative Projects Proposed?	PRJ_ID_LEG	PRJ_TYPE
Inactive	Pond P-01	C	0791DP	Y	N/A	Y	PC9001A PC9001B	Stormwater Pond Retrofit Stream Restoration
Inactive	Pond P-02	Non-exist	--	N	2	N	N/A	N/A
Inactive	Pond P-03	Non-exist	0922DP	N	1	Y	PC9003	Stormwater Pond Retrofit
Inactive	Pond P-04	Non-exist	--	N	1	Y	PC9004A PC9004B	Stream Restoration Dumpsite/obstruction removal
Active	Pond P-05	Non-exist	--	N	2	N	N/A	N/A
Inactive	Pond P-06	Non-exist	--	N	2	N	N/A	N/A
Inactive	Pond P-07	Non-exist	--	N	1	Y	PC9007	Stormwater Pond Retrofit
Completed	Pond P-08	C	0525DP	Y	N/A	Y	PC9008	Stormwater Pond Retrofit

In the 1989 Regional Stormwater Management Plan Final Report, a total of eight regional ponds were proposed for the portion of Pohick Creek that drains to Burke Lake. Of these eight recommended regional ponds, two (P-01 and P-08) have a status of "C" (completed), one (P-05) has a status of "A" (active County project, partially funded), and five (P-02, P-03, P-04, P-06 and P-07) have a status of "I" (not an active funded County project).

Alternative regional pond projects were proposed for P-03, P-04 and P-07, which included stormwater pond retrofits to existing stormwater ponds, stream restorations, and dumpsite/obstruction removal projects. Although P-01 and P-08 are completed, alternative regional pond projects were proposed to provide supplemental benefits, which included stormwater pond retrofits to the existing stormwater ponds, and stream restorations. No alternative regional pond projects were proposed for P-02 and P-06, as the proposed areas for these regional ponds were largely undeveloped, natural and densely forested areas and no existing stormwater ponds were available to retrofit. No alternative regional pond projects were proposed for P-01, since this is an active County project.

Field Investigations

In subtask 3.3 field reconnaissance was performed for the candidate project sites. The reconnaissance consisted of completing site visits to document site conditions, check for feasibility and to take photos. This information was compiled into the access database file *PC-LO_Candidate_Project_Investigation.* This database was used to populate some of the metrics for the prioritization scheme. Additionally, the field visit form comments were condensed and added to the ranking comments column in the Pohick Creek Master Project List. These ranking comments were utilized to support project ranking modifications.

Cost Estimates

Cost estimates were performed for the projects during the ranking process based on County cost guidance. Projects costing less than $80,000 were grouped together with other projects based on whether the projects would be constructed simultaneously. These projects were scored under the project type "Suite of Projects", where the benefits were added together.

Projects excluded from the grouping were rain barrel/cisterns and street sweepings. These projects do not currently have cost information provided by the County, and since these projects are non-structural they are still being further evaluated. Types of projects that were grouped together in project suites included buffer restorations, stream restorations, pipe daylighting and obstruction/dumpsite removals; bioretention areas, bioswale and swale retrofits; and stream restorations and stormwater pond retrofits. The large majority of grouped projects are in the same subwatershed. Most of the BMP/LID groups are located on a single site. Stream restorations were only grouped with stormwater pond retrofits if restoration is directly upstream of the pond and has existing negative impacts on the condition of the pond. In some cases, low-cost projects are not grouped as a result of an isolated site which could not to be matched with another higher cost project. According to County guidance these projects were dropped to the bottom of the rankings. Costs for grouped projects are the sum of all projects in the group (before rounding up). The subcomponents of the grouped projects are called subprojects and are denoted by a project ID number and letter (i.e. PC9001A). The subproject ID numbers were used in all of the tables except the final ranking.

Structural Project Prioritization

The following section describes PBS&J's implementation of the Fairfax County WMP 3.2 guidance for the Structural Project Prioritization. The structural project prioritization was completed using a spreadsheet based on the prioritization scheme outlined in subtask 5.1-E. The spreadsheet uses the five factors explained below to provide a basis to compare each project's ability to improve the watershed and rank the most beneficial projects.

1. Impact Indicators

Table 2, which was taken from Attachment #1 in the WMP 3.2, lists the relationship between the different project types and the impact indicators that were evaluated. For each project type, the indicators marked with an X were included in the prioritization, indicators marked with an O had their potential effects considered but not scored, and the remaining indicators were not considered for the prioritization.

Table 2: Matrix showing links between Project Types and Impact Indicator Scores

Individual Impact Indicators	Stream Restoration	Outfall Improvement	BMP/LID	Stormwater Pond Retrofit	Buffer Restoration
Benthic Communities	O	O			O
Fish Communities	O	O			O
Aquatic Habitat	O	O			O
Channel Morphology (CEM)	X	O		O	X
Instream Sediment	X	X		O	X
Hydrology	X	X	X	X	X
Number of Road Hazards					
Magnitude of Road Hazards					
Residential Building Hazards					
Non-residential Building Hazards					
Flood Complaints		O	O		
RPA Riparian Habitat	X		O		X
Headwater Riparian Habitat	X		O		X
Wetland Habitat	X		O		X
Terrestrial Forested Habitat			O		X
E. Coli	O	O	O	O	
TSS (Upland Sediment)	X	X	X	X	X
TN (Nitrogen Load)		X	X	X	O
TP (Phosphorus)	X	X	X	X	X
Total X's	8	5	4	4	9
Total O's	4	6	6	3	4

***Note**: Flood protection / mitigation and culvert retrofit projects were omitted, since flood protection / mitigation or culvert retrofit projects are not proposed in the Pohick Creek Watershed.*

As shown by Table 1, a different number of indicators were scored depending on the project type. For example, stream restorations have 8 indicators that were scored, where stormwater pond retrofits only have 4 indicators that were scored. For this reason, a composite indicator project score was determined for each project by averaging only the indicators that were affected by the corresponding project type (indicators marked with an X in Table 1). These composite impact indicator scores were reviewed to verify that, comparing different project types by impact indicator ranking was reasonable.

The existing and future without (FWO) impact indicator metric values and scores were determined using the Subwatershed Ranking (SWR) Approach, section 3.4, which was completed under a previous task. The scoring of the candidate projects and description of each impact indicator is provided below. (See Appendix D: Summary of Impact Indicator Scoring.)

Channel Morphology ICEM Metric Score

Only stream restoration and buffer restoration projects were scored based on the ICEM impact indicator. The channel morphology ICEM score was based on geomorphic stability. Table 3 was taken from Table 3-4 of the SWR guidance and shows the ICEM subwatershed scoring thresholds for channel morphology ICEM stage values. The preliminary project scores were based on existing conditions. The candidate projects have SWR scores of either 2 or 6, where higher scores indicate higher geomorphic stability.

Table 3: SPS/SPA ICEM Class Scoring Thresholds

Average SPA/SPS ICEM Stage Value	Description1	Score
1 to 1.5	Well developed baseflow and bankfull stages; consistent floodplain features easily identified and covered by diverse vegetation; one terrace apparent above active floodplain; streambank slopes less than or equal to 45 degrees.	10
4.5 to 5	Well developed baseflow and bankfull stages; consistent floodplain features easily identified and covered by diverse vegetation; two terraces apparent above active floodplain; streambank slopes less than or equal to 45 degrees.	8
1.5 to 2.5	Headcuts and exposed cultural features (i.e., property, infrastructure) apparent; absent or sparse sediment deposits; exposed bedrock; streambank slopes greater than 45 degrees.	6
3.5 to 4.5	Streambank aggrading while sloughed material not eroding; vegetative colonization of sloughed material; development of baseflow, bankfull, and floodplain channel features; predictable sinuous flow patterns developing streambank slopes less than 45 degrees.	4
2.5 to 3.5	Streambank sloughing with sloughed material actively eroding; streambanks are ~60 degrees and vertical or concave.	2

[1] *Descriptions modified from Fairfax County SPS Baseline Study (Fairfax County, 2001)*

Notice that the table gives a higher stability score to the ICEM stage value range 1.5 to 2.5 than the 2.5 to 3.5 range, which correspond to scores of 6 and 2, respectively. The ICEM Stage value range of 1.5 to 2.5 (channel incision) is more stable than the 2.5 to 3.5 ICEM stage value range (channel widening).

Projects proposed in subwatersheds with channel morphology ICEM scores of 2 were given preliminary project scores of 4 since they have the most room for improvement, where projects proposed in subwatersheds with channel morphology ICEM scores of 6 were given preliminary project scores of 2 since they have less room for improvement.

Instream Sediment Metric Score

Stream restoration, outfall improvement, and buffer restoration projects were scored for this impact indicator. The instream sediment metric is not a predictive indicator, therefore the future conditions scores were not available and the preliminary project scores were based solely on existing conditions. Projects addressing this indicator were only proposed in subwatersheds with existing conditions instream sediment scores of 2.5, 5, and 7.5.

Subwatersheds with an existing conditions instream sediment metric score of 2.5 had streambanks that were unstable with signs of mass erosion and slumping. Projects proposed in these subwatersheds were given a preliminary project score of 5 because they provide the most benefit. Projects proposed in subwatersheds with an existing conditions instream sediment metric scores of 5.0 and 7.5 were given preliminary project scores of 4 and 3, respectively, since they provide the next two levels of improvement compared to the other projects.

Hydrology Metric Score

Stream restoration, outfall improvement, BMP/LID, stormwater pond retrofit and buffer restoration projects were evaluated and scored for this impact indicator**.** The hydrology metric is area-weighted based on the flow rate in cubic feet per second per square mile (cfs/mi^2). The metric values from the subwatershed ranking spreadsheet were used to assign the project scores for this indicator (direct-metric value method).

Rather than scoring projects based on the effect on peak flow rate, which would require extensive modeling at this preliminary stage, the existing conditions metric was compared to the FWO conditions metric and the percent change was calculated. As per the County's quintile scoring method, the range of percent change was divided into five preliminary project scores ranging from 1 to 5. Projects that provided the largest percent change, corresponding to the largest improvement, were assigned a preliminary project score of 5, where projects that proposed the least improvement were assigned a preliminary project score of 1.

RPA Riparian Habitat Metric Score

Stream restoration and buffer restoration projects were scored for this impact indicator. The RPA riparian habitat score is the percentage of riparian habitat in the regulated Chesapeake Bay Resource Protection Areas. The preliminary project scores were based on FWO conditions. The SWR scores for this indicator range from 2 to 10, which indicate the lowest and highest percentages of riparian habitat, respectively.

Projects proposed in subwatersheds with RPA riparian habitat scores of 2 were given preliminary project scores of 5 since they provide the greatest benefit. Projects proposed in subwatersheds with RPA riparian habitat scores of 4, 6, 8, and 10 were given preliminary project scores of 4, 3, 2, and 1, respectively, since they provide the next four levels of improvement compared to the other projects.

Headwater RPA Riparian Habitat Metric Score

Stream restoration and buffer restoration projects were scored for this impact indicator. The headwater RPA riparian habitat score is the percent of riparian habitat in the RPA riparian areas that are located at the stream headwaters. The preliminary project scores were based on FWO conditions. The SWR scores for this indicator range from 2 to 10, which indicate the lowest and highest percentages of riparian habitat located at stream headwaters, respectively.

Projects proposed in subwatersheds with headwater RPA Riparian habitat scores of 2 were given preliminary project scores of 5 since they provide the greatest benefit. Projects proposed in subwatersheds with headwater RPA riparian habitat scores of 4, 6, 8, and 10 were given preliminary project scores of 4, 3, 2, and 1, respectively, since they provide the next four levels of improvement compared to the other projects.

Wetland Habitat Metric Score

Stream restoration and buffer restoration projects were scored for this impact indicator. The Wetland Habitat score is the percentage of wetland habitat in the subwatershed. The preliminary project scores were based on FWO conditions. The SWR scores for this indicator range from 2 to 10, which indicate the lowest and highest percentages of wetland habitat, respectively.

Projects proposed in subwatersheds with wetland habitat scores of 2 were given preliminary project scores of 5 since they provide the greatest benefit. Projects proposed in subwatersheds with wetland habitat scores of 4 and 6 were given preliminary project scores of 4 and 3, respectively, since they provide the next two levels of improvement compared to the other projects.

Terrestrial Forested Habitat Metric Score

Buffer restoration projects were scored for this impact indicator. The Terrestrial Forested Habitat score is based on the percentage that the VDOF forested cover classification area covers in the subwatershed. The preliminary project scores were based on FWO conditions. The SWR scores for this indicator range from 2 to 10, which indicate the lowest and highest percentages of terrestrial forested habitat, respectively.

All of the proposed buffer restoration projects were located in subwatersheds with a terrestrial forested habitat score of 4, and these projects were given preliminary project scores of 4 since they provide roughly equal benefit.

Pollutant Load Indicator Scores (TSS, TN, & TP)

The County provided Spreadsheet Tool for Estimating Pollutant Loads (STEPL) was used to calculate upland sediment (TSS), total nitrogen (TN), and total phosphorous (TP). GIS processing was used to determine the directly connected impervious area, land use types, BMP types, and drainage areas to determine the amount of pollutants for all subwatersheds. The FWO project conditions used future land use information to determine pollutant loads. The future with project conditions (FW) were determined by estimating the amount of pollutant that a project would remove if it was the only project implemented. This pollutant removal was then subtracted from a subwatershed's entire pollutant load.

To allow the comparison of results across different watersheds, the subwatershed's pollutant loads were divided by their areas to get units of mass/acre/year. The percentage of change from the FW project to the FWO conditions was determined for all of the projects except for the buffer restorations, outfall improvements and non-structural projects. The amount of improvement that the projects provided (percentage of change from the FW project to the FWO conditions) was broken into quintiles per the County's Guidance, and the highest project scores were given to the projects that caused the most improvement. The metric values from the subwatershed ranking spreadsheet were used to assign the project scores for this indicator (direct-metric value method).

Stream restorations were not modeled in STEPL, but metric values were calculated for TSS, TP, and TN, by considering all pollutants due to streambank erosion from the stream restoration area

as eliminated. This pollutant removal was then subtracted from the FWO conditions total subwatershed pollutant load and divided by the subwatershed area. This allowed stream restorations to be quantitatively compared to the projects modeled by STEPL.

Outfall improvement projects and buffer restoration projects were not modeled in STEPL and therefore no FW conditions pollutant load metrics were available. Instead, project scores were determined from whether the FWO conditions were poor, and a project could greatly improve these conditions. The FWO conditions SWR indicator scores range from poor conditions of 2.5 to excellent conditions of 10. Projects proposed in subwatersheds with scores of 2.5 were given preliminary project scores of 4 since they provide the most benefit. Projects proposed in subwatersheds with scores of 5.0, 7.5, and 10 were given preliminary project scores of 3, 2, and 1, respectively, since they provide less benefit.

Final Project Score based on Impact Indicators

Each project type's average score was based on a different number of indicators per Table 1. The initial impact indicator score was determined by adding the project scores assigned for each impact indicator and dividing this sum by the number of indicators evaluated to obtain a score between 1 and 5. These project scores were then ranked with the highest project scores receiving the highest priority rank.

Per County Guidance BPJ was used to account for the fact that different project types provide a different number of benefits. An additional score was added to account for this difference. Project types that addressed the most impact indicators were given higher scores, whereas project types that addressed the least impact indicators were given the lowest scores. Table 4 below summarizes this scoring. The final project score was determined by including this additional value in the average score.

Table 4: BPJ Score Adjustment for Number Impact Indicator Evaluated

	Stream Restoration	Outfall Improvement	BMP/LID	Stormwater Pond Retrofit	Buffer Restoration
# of Impact Indicators Addressed	8	5	4	4	9
Score Assigned	4	2	1	1	5

2. Source Indicators

Table 5 lists the relationship between the different project types and the source indicators that were included when evaluating a project. For each project type, the indicators marked with an X were included in the prioritization, indicators marked with an O only had their potential effects considered but not scored, and the remaining indicators were not considered for the prioritization.

Table 5: Matrix showing links between Project Types and Source Indicator Scores

Individual Source Indicators Scores	Stream Restoration	Outfall Improvement	BMP/LID	Stormwater Pond Retrofit	Buffer Restoration
Channelized/ Piped Streams	X	X			
DCIA			X	X	
Impervious Surface			O		
Stormwater Outfalls	X	X	X	X	

Sanitary Sewer Crossings	X				
Streambank Buffer Deficiency	X				X
TSS (Upland Sediment)	O	X	X	X	O
TN (Nitrogen Load)	O	X	X	X	O
TP (Phosphorus)	O	X	X	X	O
Total X's	4	5	5	5	1
Total O's	3	0	1	0	3

***Note**: Flood protection / mitigation and culvert retrofit projects were omitted, since no flood protection / mitigation or culvert retrofit projects are proposed in Pohick Creek*

As was the case with impact indicators, different project types were scored based on a different number of source indicators. For example, stream restorations have 4 indicators that were evaluated and scored, where buffer restorations only have 1 indicator that was evaluated and scored. For this reason, a composite indicator project score was determined for each project by averaging only the indicators that were affected by the corresponding project type (indicators marked with an X in attachment #2). These composite impact indicator scores were reviewed to verify that although each project type is scored based on a different number of impact indicators, comparing different project types by impact indicator ranking was reasonable.

Existing and FWO impact indicator metric values and scores were determined using the Subwatershed Ranking (SWR) Approach section 3.4 (See Appendix B) under a previously completed task. Note that FWO conditions were determined only for predicative indicators.

Channelized/ Piped Streams Metric Score

Stream restoration and outfall improvement projects were scored for this impact indicator. The channelized/ piped streams score is the percentage of channelized or piped streams in a subwatershed. The channelized/ piped streams metric is not a predictive indicator, therefore the future conditions scores were not available and the preliminary project scores were based solely on existing conditions. The SWR scores for this indicator range from 2.5 to 10, which indicate the highest and lowest percentages of channelized/ piped streams, respectively.

Projects proposed in subwatersheds with channelized/ piped streams scores of 2.5 were given preliminary project scores of 5 since these areas had the most room for improvement. Projects proposed in subwatersheds with channelized/ piped streams scores of 5, 7.5 and 10 were given preliminary project scores of 4, 3, and 2, respectively, since they provide the next three levels of improvement compared to the other projects.

DCIA Metric Score

Stormwater pond retrofits and BMP/LID projects were scored for this impact indicator. The directly connected impervious area metric score is based on the percentage of impervious area that flows directly to a stormwater system. The directly connected impervious area indicator scores were taken from the FWO SWR spreadsheets. The SWR scores for this indicator range from 2.5 to 10, where 2.5 indicate the largest percentage of DCIA and 10 indicates the smallest percentage of DCIA.

Projects proposed in subwatersheds with DCIA scores of 2.5 were given preliminary project scores of 5 since they provide the greatest benefit. Projects proposed in subwatersheds with stormwater outfalls scores of 5, 7.5, and 10 were given preliminary project scores of 4, 3, and 2, respectively, since they provide the next three levels of improvement compared to the other projects.

Stormwater Outfalls Metric Score

Stream restoration, outfall improvement, BMP/LID, and stormwater pond retrofit projects were scored for this impact indicator. The stormwater outfalls score is based on the number of outfalls per mile of stream. The stormwater outfalls metric is not a predictive indicator, therefore the future conditions scores were not available and the preliminary project scores were based solely on existing conditions. The SWR scores for this indicator range from 2.5 to 10, where 2.5 indicates the largest number of outfalls per mile of stream and 10 indicates the fewest number of outfalls per mile of stream.

Projects proposed in subwatersheds with stormwater outfalls scores of 2.5 were given preliminary project scores of 5 since they provide the greatest benefit. Projects proposed in subwatersheds with stormwater outfalls scores of 5, 7.5, and 10 were given preliminary project scores of 4, 3, and 2, respectively, since they provide the next three levels of improvement compared to the other projects.

Sanitary Sewer Crossings Metric Score

Stream restoration projects were scored for this impact indicator. The sanitary sewer crossings score is based on the number of sanitary sewer crossings per mile of stream. The sanitary sewer crossings metric is not a predictive indicator, therefore the future conditions scores were not available and the preliminary project scores were based solely on existing conditions. The SWR scores for this indicator range from 2.5 to 10, where 2.5 indicates the largest number of sanitary sewer crossings per mile of stream and 10 indicates the fewest number of sanitary sewer crossings per mile of stream.

Projects proposed in subwatersheds with sanitary sewer crossings scores of 2.5 were given preliminary project scores of 5 since they provide the greatest benefit. Projects proposed in subwatersheds with sanitary sewer crossings scores of 5, 7.5, and 10 were given preliminary project scores of 4, 3, and 2, respectively, since they provide the next three levels of improvement compared to the other projects.

Stream Bank Deficiency Metric Score

Stream restoration and buffer restoration projects were scored for this impact indicator. The stream bank deficiency score is based on the percentage of forest area in the buffer areas of the streams. The stream bank deficiency metric is not a predictive indicator, therefore the future conditions scores were not available and the preliminary project scores were based solely on existing conditions. The SWR scores for this indicator range from 2.5 to 10, which indicate the highest and lowest percentages of stream bank deficiency, respectively.

Projects proposed in subwatersheds with stream bank deficiency scores of 2.5 were given preliminary project scores of 5 since they provide the greatest benefit. Projects proposed in subwatersheds with stream bank deficiency scores of 5, 7.5, and 10 were given preliminary project scores of 4, 3, and 2, respectively, since they provide the next three levels of improvement compared to the other projects.

TSS (Upland Sediment) Metric Score

Outfall improvement, BMP/LID, and stormwater pond retrofit projects were evaluated and scored for this source indicator. The TSS source indicator preliminary scoring process is the same as that of the TSS impact indicator scoring process. Therefore, the preliminary project scores for this indicator were pulled from the TSS impact indicator table. See the TSS impact indicator scoring

description from section 1 of the prioritization spreadsheet methods for a detailed description of the scoring process for this indicator.

Total Nitrogen (TN) Metric Score

Outfall improvement, BMP/LID, and stormwater pond retrofit projects were scored for this source indicator. The TN source indicator preliminary scoring process is the same as that of the TN impact indicator scoring process. Therefore, the preliminary project scores for this indicator were pulled from the TN impact indicator table. See the TN impact indicator scoring description from section 1 of the prioritization spreadsheet methods for a detailed description of the scoring process for this indicator.

Total Phosphorous (TP) Metric Score

Outfall improvement, BMP/LID, and stormwater pond retrofit projects were scored for this source indicator. The TP source indicator preliminary scoring process is the same as that of the TP impact indicator scoring process. Therefore, the preliminary project scores for this indicator were pulled from the TP impact indicator table. See the TP impact indicator scoring description from section 1 of the prioritization spreadsheet methods for a detailed description of the scoring process for this indicator.

Final Project Score based on Source Indicators

Each project type's average score was based on a different number of indicators per Table 2. The initial source indicator score was determined by adding the project scores assigned for each source indicator and dividing this sum by the number of indicators evaluated to obtain a score between 1 and 5. Per County Guidance BPJ was used to account for the fact that different project types address a different number of indicators. An additional score was added to account for this difference. Project types that addressed the most source indicators were given higher scores, whereas project types that addressed the least source indicators were given the lowest scores. Table 6 below summarizes this scoring. The final source indicator project scores were determined by averaging in this new score.

Table 6: BPJ Score Adjustment for Number Impact Indicator Evaluated

	Stream Restoration	Outfall Improvement	BMP/LID	Stormwater Pond Retrofit	Buffer Restoration
# of Source Indicators Addressed	4	5	5	5	1
Score Assigned	4	5	5	5	2

3. Priority Subwatersheds

The third factor in the prioritization process was the priority subwatershed selection, which was based on a subwatershed's overall impact composite score. The subwatershed overall impact composite scores were pulled from the "Overall and Objective Composite Scores Pohick" spreadsheet for existing conditions.

The County's quintile scoring method was used to break the range of subwatershed overall composite scores into five preliminary project scores ranging from 1 to 5. Subwatersheds with the lowest overall impact composite scores, which represent the worst overall watershed conditions, were assigned a preliminary project score of 5. Subwatersheds with the highest overall impact

composite scores, which represent the best overall watershed conditions, were assigned a preliminary project score of 1.

Each proposed project was then assigned the preliminary project score based on score of subwatershed where it is proposed. A score adjustment column was added to promote the score of projects that would help address downstream problems or located in subwatersheds currently lacking stormwater management controls.

4. Sequencing

Project Score based on Subwatershed Order

Projects in headwater subwatersheds were considered the highest priority and given the highest project scores, per WMP Standards 3.2. The order of the subwatersheds was determined per Figure 1, Hypothetical Subwatershed Ordering Example, from the WMP Standards 3.2 and the following criteria:

A. All subwatersheds where a stream originates were classified as a headwater subwatershed and given an order of 1.

B. Subwatershed order increased going downstream, specifically at the confluence of tributaries.

C. BPJ was used to determine whether a subwatershed should be given an order of 1 (headwater subwatershed) based on whether the majority of the drainage came from the subwatershed itself.

Using the above criteria and a GIS Pohick Creek Watershed map review (See Appendix M) the subwatersheds were assigned an order between 1 and 13. Projects in subwatersheds with higher orders were farther upstream and would benefit Pohick Creek the most, and therefore were given the highest scores. The subwatershed orders did not have an even distribution, and therefore the typical quintile ranges could not be used to obtain scores between 1 and 5. The project scores were assigned per table 7.

Table 7: Subwatershed Order Percentile scoring

Percentile	Subwatershed Order	Preliminary Score
90%	11.00	1
80%	4.00	2
75%	3.00	3
60%	2.00	4
0%	1.00	5

5. Implementability

Project Scores Based on Implementability

The very specific WMP Standards 3.2 project implementability scoring methods were utilized to assign scores. Information from the field investigation database was compiled to help assign the implementability scores. The decision steps for assigning implementability scores for each project are described below.

A high implementability score of 5 was given to projects with any of the following criteria;

1. Buffer restoration projects.
2. Stormwater Pond retrofits that are County maintained facilities and require no additional land rights. This was determined by researching the parcel owner on the property appraiser's website. The determination of whether additional land rights were required was determined by seeing if easements were provided and if the retrofits would fit into the existing easements. This information was taken from the candidate investigation database.
3. Stream Restorations that do not require upstream runoff quantity reductions, and are proposed on sites with significant land owner support.
    - At this time hydraulic modeling has not been done to determine whether upstream runoff quantity reductions are required. Since channel erosion is related to runoff quantity a surrogate determination was made by reviewing the subwatershed ICEM value. The Subwatershed Ranking Approach states that "Stage Values between 1.5 to 2.5 may still have the potential to be improved or restored." Therefore projects with ICEM STAGE Values between 1.5 to 2.5 will be scored as the most implementable and the other stream restorations will be given a lower score.
    - Land Owner Support is based on WAG comments.
4. BMP and LIDs retrofits located at a school or another county owned facility.

A moderate implementability score of 3 was given to projects with any of the following criteria:

1. Other pond and LID retrofits and other stream restorations that do not require upstream runoff quantity reductions.
    - A direct determination of whether upstream runoff quantity reduction was not determined at this time, because of the lack of hydraulic modeling. Instead the ponds and LID projects that were not maintained by the county were sorted out and reviewed on a case by case basis. Most pond retrofits that were not located on a school site were deemed as requiring upstream runoff reduction. This was due to the fact that the ponds would lose some attenuation ability from the addition of the stormwater quality improvements. The only pond retrofits that were deemed as not needing upstream runoff reduction were the projects that had available head or room for expansion.
    - The LID projects were reviewed to see whether the type and location of the project would require runoff reduction.

A low implementability score of 1 was given to all other projects that did not fit into the above categories and are likely to be less feasible than the majority of recommended projects.

Initial Structural Project Ranking

The final composite scores were based on the 5 factors and their corresponding weights. The factors were weighted as follows: impact indicators (30%), source indicators (30%), priority subwatersheds (10%), sequencing (20%), and implementability (10%). This score was used to obtain an initial ranking. The higher the overall composite scores the lower the preliminary rank. Once the initial rankings were completed using the prioritization scheme's quantitative method, the projects were qualitatively reviewed. This review involved going through every project starting

at the highest ranked projects and reviewing the project descriptions, GIS information, field observations, WAG comments, and the ability for a project to achieve the County's objectives. From this review BPJ was used to adjust the scores to ensure the projects were ranked correctly. The BPJ Score Adjustments in the structural ranking (See Appendix J), were explained or justified in the Project Ranking Comments Column of the *PC_Master_Project_List* spreadsheet (See Appendix C).

The projects with the lowest ranks will be implemented first. See Appendix J for a Summary of the Individual Project Scores and Initial Ranking. The top ranked 90 projects will be proposed for inclusion into the 10 year watershed management plan as part of the initial ranking. All other projects are considered as part of the 25 year plan. Future tasks will involve further evaluating these rankings (on factors such as hydrologic and hydraulic modeling results and estimated costs vs. projected benefits) _and adjusted as part of a final project sequencing. At this time, only structural projects will be considered as part of the group of 90 projects for the 10-yr plan; however, the non-structural projects will be considered separately and may be implemented as part of the 10-yr plan.

Evaluation of Non-structural Practices

Non-structural Project Selection

Candidate non-structural practices identified under Subtask 3.2 were evaluated by their overall benefit and feasibility in meeting the watershed goals and objectives. The candidate non-structural practices include:

1. Buffer Restoration programs
2. Dumpsite / Obstruction removal projects
3. Street Sweeping Programs

These non-structural projects were proposed in addition to the structural projects because they have lower initial costs than structural projects and there are little or no design/ construction costs. For these reasons some non-structural projects are easier to implement, and should be ranked separately. Some non-structural projects were grouped with structural projects and were given the same rank, ensuring these projects will be implemented at the same time.

Non-Structural Project types

Buffer Restorations

Many different factors and indicators were used to decide where buffer restoration projects would be most beneficial throughout the Pohick Creek watershed, with the primary indicator being the Streambank Buffer Deficiency source indicator score from the subwatershed ranking. Sub basins with scores that corresponded to “poor” or “very poor” conditions for this indicator met the initial criteria for buffer restoration placement. Buffer restoration projects, which consist of practices such as the re-planting of upland buffer areas and providing reforestation, would help re-establish Resource Protection Areas (RPAs) by providing additional stream buffer for filtration of pollutants, while reducing runoff by intercepting the water and increasing surface storage and infiltration.

The buffer restoration programs were scored and ranked with the same prioritization scheme as stream restorations, which are structural projects. The only difference was that these projects received either an implementability score of 5 or 3 based on whether the project is located on County owned land.

Dumpsite/ Obstruction Removals

The flood complaints indicator and the results from Task 3.3, Investigation of Candidate Projects were the primary factors used to determine where dumpsite/obstruction projects should be proposed. The removal of the obstructions will help restore the stream channel to its natural conditions and improve the function of the streams. An example of a proposed project includes

the cleanup of trash in or near the stream channel to help reduce the amount of pollutants from entering adjacent streams and storm systems.

Dumpsite / obstruction removal projects accomplish many of the County's watershed management planning goals and objectives. The table 8 explains how the County Watershed Management Planning Objectives are met.

Table 8: County Objectives Met Dumpsite / Obstruction Removals

County Obj.	County Objectives Met by Dumpsite / Obstruction Removal Projects
1A	Minimizes stormwater runoff by creating stable stream morphology and protecting habitat.
1B	Minimizes flooding by restoring conveyance capacity of impacted streams.
2A	Helps restores instream habitat.
3A	Helps reduce pollutants caused by objects placed at the dumpsite.
4A	Removes possible toxins at dumpsites.
5A	Provides opportunity for public to get involved in organized stream cleanups.
5C	Improves watershed aesthetics by removing trash and other foreign objects.

Street Sweeping Programs

In areas where there were no existing stormwater quality treatment, and structural projects were not recommended or practical, street sweeping programs were recommended. Street sweeping helps reduce the amount of potential pollutants entering nearby streams and storm systems. In addition they add the aesthetic benefits of having clean streets, the safety benefits of removing debris that can block storm systems and stormwater facilities. Areas where these projects were proposed are primarily comprised of dense residential development, many of which have their streets piped directly into the nearby streams.

Street sweeping programs accomplish many of the County's watershed management planning goals and objectives. Table 9 explains how the County Watershed Management Planning Objectives are met.

Table 8: County Objectives Met by Street Sweeping Programs.

County Obj.	County Objectives Met by Street Sweeping Programs
1A	Reduces stormwater runoff impacts by reducing road sediment, which can change stream morphology and hurt biota by increasing turbidity and reducing dissolved oxygen.

1B	Reduces inlet and BMP clogging by reducing fines that wash off paved surfaces.
2A	Reduces fines from pavements which are sources of TSS, TN, and TP.
3A	Reduces fines from pavements which are sources of TSS, TN, TP, and heavy metals.
4A	Reduces fines from pavements.
4B	Provides opportunity for public to get involved in organized stream cleanups.
5A	Encourages public to participate in watershed stewardship by being an example of action that the County is taking for water quality.
5B	Mimics other jurisdictions that have implemented street sweeping programs to improve water quality for the Chesapeake Bay.
5C	Reduces trash, leaves, and sediment, which improves the aesthetics of the watershed.

Non-Structural Project Ranking

The ranking of the Non-structural projects were determined by comparing the existing conditions TSS, TP, and TN ranking indicator scores and assigning a score of 1 through 5 based on their potential for improvement (See Appendix K: Non-Structural Qualitative Analysis). The average of these scores shall be used to obtain an initial ranking. Finally a BPJ score modification was used to insure proper ranking of the projects. The score modification considers any information obtained in the field investigations, WAG meeting comments, or engineering issues. The reasons for these score modifications are documented in the scoring comment column of the *PC_Master_Project_List* spreadsheet. Due to the high implementability and immediate results of the non-structural projects, these projects should be included in the 10 year plan.

Appendices:

Appendix A: Bibliography .....
Appendix B: Description of files used for the prioritization .....
Appendix C: Pohick Creek Master Project List .....
Appendix D: Summary of Impact Indicators .....
Appendix E: STEPL Pollutant Loads .....
Appendix F: Summary of Source Indicator Scoring .....
Appendix G: Priority Subwatershed Scoring .....
Appendix H: Sequencing Scoring .....
Appendix I: Implementability Scoring .....
Appendix J: Summary of the Individual Project Scores and Initial Ranking .....
Appendix K: Non-Structural Qualitative Analysis .....
Appendix L: Pohick Creek Watershed All Candidate Projects Map .....
Appendix M: Pohick Creek Watershed Subwatersheds by Stream Orders Map .....

Appendix A: Bibliography

1. "Watershed Management Plan Development Standards - V.3.2, March 2009" (WMP Standards 3.2)
2. "Subwatershed Ranking Approach) June 2008 (SWR approach)
3. "Clarification to 3.4 & 3.6 language from March 2009 WMP Standards Version 3.2.doc "
4. "Project_Prioritization_TP_Scores_Example sep2009 v5 - calcs fixed.xls "
5. "Clarification Subwatershed Ranking Approach, June 2008"
6. "Supplemental Guidance on Subwatershed Ranking" - January 19, 20009
7. Previous Homework assignment (HW assignment)
8. The web site http://ffxwmp.tetratech-ffx.com/forum
9. "Guidance for Representing Streambank Erosion and Regional Pond Efficiencies" – October 22, 2009
10. "Task 3.4 Technical Memo Checklist includes Example Tables 012210"

Appendix B: Description of files used for the prioritization

1. *Subwatershed ranking spreadsheets* – The existing conditions and future without projects were previously submitted. The spreadsheets include impact indicator metric scores and overall and objective composite scores. These files are in GKY's format. The impact indicator spreadsheets include an extra summary tab showing how the STEPL and Streambank Erosion Tabs affected the Subwatershed Scores.
2. *Loads_Pohick_FutureLU_Updated* – This spreadsheet provides the revised future without project STEPL results.
3. *STEPL Runs* – This folder includes the future with project STEPL runs that were used to determine the individual projects results
4. *PC_Streambank_Erosion* – This spreadsheet calculate the amount of erosion and pollutants produced by eroding streams and is added to the STEPL pollutant calculations.
5. *PC_Master_Project_List* – This spreadsheet was used to bring together the work of the WAG meeting, site visit, and other comments for the projects.
6. *PC_Project_Cost_Estimates* – This spreadsheet calculates the Cost Estimates per County Guidance.
7. *Pohick Ordering Map* - , This 11x17 map shows the Pohick Creek subwatershed and the main branches of Pohick Creek. From this figure the subwatershed order was determined.
8. *DCIA with projects* – Spreadsheet used to compile the DCIA metric value.

Appendix C: Pohick Creek Master Project List

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-SR-0024	PC9001	Suite of Projects	Large regional wet pond southeast of Pohick Court. Receives stormwater from closed system of runoff from Pohick Court as well as a stream running into it. This project proposes the retrofit of the pond to create a wetland system with the construction of a sediment forebay and the addition of bench planting. The primary indicators are habitat wetland and pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to increase pollutant removal and to provide adequate channel protection above the permanent pool. The retrofit will create a better functioning environment for gravitational settling, biological uptake and microbial activity with a permanent pool of standing water. This project is north of regional pond 0791DP and flows directly into it. The primary indicator was the poor channel morphology. The project proposes repairing bank and bed erosion to restore channel morphology. The stream stabilization will reduce sediment loads to the stream, maintaining capacity of the stream channel and controlling unwanted meander. This project will improve the overall condition of the pond by restoring the stream that flows into it.		$1,330,000
PC-SR-0024	PC9001A	Stormwater Pond Retrofit	Large regional wet pond southeast of Pohick Court. Receives stormwater from closed system of runoff from Pohick Court as well as a stream running into it. This project proposes the retrofit of the pond to create a wetland system with the construction of a sediment forebay and the addition of bench planting. The primary indicators are habitat wetland and pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to increase pollutant removal and to provide adequate channel protection above the permanent pool. The retrofit will create a better functioning environment for gravitational settling, biological uptake and microbial activity with a permanent pool of standing water.	Area around stream is heavily forested and does not have much contributing impervious drainage area.	$530,000
PC-SR-0024	PC9001B	Stream Restoration	This project is north of regional pond 0791DP and flows directly into it. The primary indicator was the poor channel morphology. The project proposes repairing bank and bed erosion to restore channel morphology. The stream stabilization will reduce sediment loads to the stream, maintaining capacity of the stream channel and controlling unwanted meander. This project will improve the overall condition of the pond by restoring the stream that flows into it.	Surrounded by significant amount of vegetated area.	$800,000
PC-SR-0022	PC9003	Stormwater Pond Retrofit	Existing regional pond north of Fairfax County Parkway and south of Lake Meadow Drive to be retrofitted to create a wetland system with the construction of a sediment forebay and the addition of bench planting. The primary indicators are wetland habitat and pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to increase pollutant removal and to provide adequate channel protection above the permanent pool. This will promote increased sediment settlement and a better environment for biological uptake and microbial activity. The permanent pool prevents resuspension of sediments and other pollutants.	N/A	$560,000
PC-SR-0020	PC9004	Suite of Projects			$1,480,000
PC-SR-0020	PC9004A	Stream Restoration	Stream northwest of Burke Lake. Stream feeds into Lake. The main indicator is poor channel morphology. This project proposes repairing bank and bed erosion to restore channel morphology. The stream stabilization will reduce sediment loads to the stream, maintaining the capacity of the stream and controlling unwanted meander. This project is critical due to its impact on Burke Lake. Restoring stream will improve the upstream condition of the Lake.	Increase priority because there is significant amount of impervious area upstream	$1,470,000
PC-OS-0001	PC9004B	Dumpsite/ Obstruction Removal	This project proposes removing an obstruction south of Burke Lake Road, east of pond. Obstruction was verified during field verification. Removing the obstruction will help restore the stream channel to its natural conditions and improve the function of the stream. Due to the proximity of the pond, removing obstruction could improve overall condition of the pond.	N/A	$10,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-SR-0020	PC9007	Stormwater Pond Retrofit	Dry pond northeast of Fairfax County Parkway, receives runoff from adjacent neighborhoods and outfalls into culvert under road and ultimately into stream. This project proposes to retrofit the pond to create a wetland system with a sediment forebay and the addition of bench planting. The primary indicators are wetland habitat and pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will increase pollutant removal and provide adequate channel protection above the permanent pool. The retrofit will create a better functioning environment for gravitational settling, biological uptake and microbial activity.	Owner said swale leading from his property to dry pond has eroded significantly. Rip rap and check dams have been placed in swale recently. Project will also address swale leading into the pond.	$510,000
PC-SR-0026	PC9008	Stormwater Pond Retrofit	This project proposes the retrofit of an existing stormwater pond southeast of Rice Field Place to create an extended detention dry pond with a sediment forebay and the addition of bench planting. The primary indicators are wetland habitat and pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to increase pollutant removal and to provide adequate channel protection above the permanent pool. The retrofit will create a better-functioning environment for gravitational setting, biological uptake and microbial activity. Pond easily accessible.	N/A	$990,000
PC-PC-0007	PC9100	Stormwater Pond Retrofit	This project proposes the retrofit of an existing pond to create an extended detention dry pond with a sediment forebay at the Lorton Athletic Fields. The indicators were pollutants including phosphorous, nitrogen and total suspended solids. The dry pond retrofit will modify the existing pond to create better downstream channel protection and allow for better function of temporary ponding using a control structure. It will also promote pollutant settlement before outfalling into adjacent wooded area.	Fenced in area. Good space available for expansion.	$940,000
PC-PC-0012	PC9101	Stormwater Pond Retrofit	This project proposes the retrofit of an existing pond to create an extended detention dry pond with a sediment forebay at 9409 Lorton Market St. (Lorton Marketplace Shopping Center). The primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. The dry pond retrofit will modify the existing pond to provide downstream channel protection and allow for better function of temporary ponding using a control structure, which enables particulate pollutants to settle out.	N/A	$340,000
PC-PC-0009	PC9102	Stormwater Pond Retrofit	This project proposes the retrofit of an existing pond to create an extended detention dry pond with a sediment forebay at Norman M. Cole Jr. Wastewater Treatment Plant. The indicators were pollutants including nitrogen, phosphorous and total suspended solids. The existing pond is utilizing an existing island. There is limited space to expand. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure. This will promote the settling of particulate pollutants before discharging into the system.	Could not access area without permission.	$240,000
PC-PC-0009	PC9103	Stormwater Pond Retrofit	This project proposes the retrofit of an existing pond to create an extended detention dry pond with a sediment forebay at Gunston Plaza Shopping Center northwest of Richmond Highway. The pond receives runoff from the shopping center and outfalls across Richmond Highway into wooded area. The indicators are pollutants including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which enables particulate pollutants to settle out before entering the system.	Significant sediment deposition in the ponds. Space limitations for expansion.	$120,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-PC-0009	PC9104	Stormwater Pond Retrofit	This project proposes the retrofit of an existing pond to create an extended detention dry pond with a sediment forebay at Gunston Plaza Shopping Center south of Lorton Road and northwest of Richmond Highway. The pond receives runoff from the shopping center and Lorton Road. The indicators are pollutants including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which enables particulate pollutants to settle out before entering the system.	Minimal impervious drainage area to pond, and impervious area to pond passes through large wooded area before reaching pond.	$170,000
PC-PC-0019	PC9105	Stormwater Pond Retrofit	This project proposes the retrofit of an existing stormwater pond northwest of Lorton Station Boulevard to create an extended detention dry pond with a sediment forebay. Primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. This retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which promotes particulate pollutant settlement.	Significant impervious area contributing, area to expand.	$550,000
PC-SL-0002	PC9106	Stormwater Pond Retrofit	Pond retrofit planned near South County Secondary School. Pond set back from main road but easily accessible. This project proposes to create a wetland system with the construction of a sediment forebay and the addition of bench planting. The primary indicators are wetland habitat and pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will increase pollutant removal and provide adequate channel protection above the permanent pool. The retrofit will create a better functioning environment for gravitational settling, biological uptake and microbial reliable pollutant removal performance.	N/A	$110,000
PC-PC-0021	PC9107	Stormwater Pond Retrofit	Dry pond at Saratoga Elementary School receives runoff from school parking lot and driveway. This project proposes the retrofit of an existing pond to create an extended detention dry pond with sediment forebay. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which promotes the settlement of particulate pollutants.	Appears to be room for significant expansion of pond; Treats significant impervious area from the school.	$200,000
PC-SR-0018	PC9108	Stormwater Pond Retrofit	This project proposes the retrofit of an existing pond to create an extended detention dry pond with sediment forebay. The pond is adjacent to Lake Mercer. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which enable particulate pollutants to settle out. Easily accessible.	N/A	$510,000
PC-MR-0002	PC9109	Stormwater Pond Retrofit	Dry pond at St. Raymonds Penafort Catholic Church east of Fairfax County Parkway and north of Pohick Road. Pond receives sheet flow from church and parking lot. This project proposes retrofitting the existing pond to create an extended detention dry pond with a sediment forebay. The primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using and control structure, which promotes particulate settlement. Area ideal for expansion.	WAG supports.	$380,000
PC-SR-0013	PC9110	Stormwater Pond Retrofit	This project proposes the retrofit of a existing wet pond at a community center off of Park Circle to create a wetland system with construction of a sediment forebay and the addition of a bench planting. The primary indicators are wetland habitat and pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to increase pollutant removal and provide adequate channel protection above the permanent pool. It will create a better functioning environment for gravitational settlement, biological uptake and microbial activity.	Could have impacts on swim club during summer months. Would likely have to use parking lot for access.	$500,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-PC-0026	PC9111	Stormwater Pond Retrofit	Dry pond receives runoff from Ridge Creek Way (south) and Deer Creek Place (east) and adjacent neighborhoods. This project proposes the retrofit of an existing pond to create an extended detention dry pond with a sediment forebay. The primary indicators are nitrogen, phosphorous and total suspended solids. The retrofit will provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which promotes settlement. Minimal room for expansion without disturbing paved paths within wooded area.	N/A	$180,000
PC-MR-0004	PC9112	Stormwater Pond Retrofit	Existing dry pond west of Throncliff Lane, east of Eagle Rock Lane. Receives runoff from adjacent residential neighborhoods and outfalls into stream to the south. This project proposes the retrofit of an existing public pond to create an extended detention dry pond with a sediment forebay. The primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which will promote particulate settlement. This site allows for expansion in several directions.	N/A	$660,000
PC-PC-0026	PC9113	Stormwater Pond Retrofit	Dry pond located north of Ridge Road, Quincy Hall Court and Shepherd Ridge Court. Runoff from those streets is conveyed in a closed system and outfalls into existing pond. This project proposes the retrofit of pond to create an extended detention dry pond with a sediment forebay. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which promotes settlement of particulate. Room for expansion.	N/A	$350,000
PC-PR-0001	PC9114	Stormwater Pond Retrofit	This project proposes a wet pond retrofit at Sangster Elementary School northwest of Reservation Drive. All runoff that is collected in the closed system outfalls into dry pond situated at entrance of school. The pond outfalls across Reservation Drive into a wooded area and ultimately into a stream. This project proposes retrofitting the pond to create a wetland system with a sediment forebay and bench planting. The primary indicators are wetland habitat, nitrogen, phosphorous and total suspended solids. The retrofit will increase pollutant removal and provide adequate channel protection. The major constraint is space because it is located on an island with no room for expansion.	Outfall structure in poor condition. Pretreatment possible along road edge and additional planting, and possibly deepen area. Soil replacement could promote infiltration. With plantings, it could be more aesthetically pleasing.	$220,000
PC-PC-0026	PC9115	Stormwater Pond Retrofit	Dry pond west of Bethelen Woods Lane receives runoff indirectly from adjacent neighborhood by means of a stream. This project proposes to retrofit the existing dry pond to create an extended detention dry pond with sediment forebay. The primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, promoting particulate settlement. This is an ideal location because there is space for expansion.	N/A	$680,000
PC-PC-0026	PC9116	Stormwater Pond Retrofit	Existing dry pond south of Walnut Knoll Drive and west of Bethelen Woods Lane. Current pond is well vegetated. This project proposed to retrofit and create and extended detention dry pond with sediment forebay. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which enables particulate pollutants to settle out. Area is steep which could limit the expansion of the pond area.	N/A	$310,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-PC-0026	PC9117	Stormwater Pond Retrofit	Dry pond at a commuter parking lot east of Gambrill Road and south of Fairfax County Parkway. Project proposes the retrofit of pond to create an extended detention dry pond with a sediment forebay. Primary indicators are pollutants including phosphorous, nitrogen and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which will promote settlement. Pond receives runoff from Hoose Road and Gambrill Road, which enters pond before outfalling in stream to east.	Fenced in area. No room for expansion	$510,000
PC-SB-0001	PC9118	Stormwater Pond Retrofit	Large dry pond west of Lee Chapel Road and east of Shipwright Drive. Receives runoff from stream in wooded area and adjacent neighborhoods. Project proposes to retrofit the existing pond to create an extended detention dry pond with a sediment forebay. Indicators are pollutants, including nitrogen, phosphorous and total suspended solids. Retrofit will provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which enables particulate pollutants to settle out. Pond has easy access and room for some expansion.	Appears to be sufficient land area for expansion of the pond and it treats a very large residential drainage area and will therefore have great benefits.	$830,000
PC-PC-0028	PC9119	Stormwater Pond Retrofit	Dry pond northeast of Hadlow Drive and northwest of Hadlow Court. This project proposes the retrofit of an existing pond to create an extended detention dry pond with a sediment forebay. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure. This will promote particulate settlement. This pond receives runoff from adjacent neighborhoods and outfalls into a stream.	Very large slopes to access the pond. Recommend adding plantings to pond but no expansion due to existing vegetation.	$1,470,000
PC-PR-0002	PC9120	Stormwater Pond Retrofit	Dry pond northwest of Lee Chapel Road and southwest of Southern Cross Lane, receiving runoff from those roads as well as Ebbtide Lane. Due to pollutants such as phosphorous, nitrogen and total suspended solids, a project is proposed to retrofit pond. Because the space is available, it is proposed to create an extended detention dry pond with sediment forebay. This will allow for better downstream channel protection and allow for better function of temporary ponding, as well as promote the settlement of particulate pollution.	N/A	$950,000
PC-SR-0020	PC9121	Stormwater Pond Retrofit	This project proposes to retrofit an existing pond northeast of Fairfax County Parkway at Burke Community Church to create a wetland system with construction of a sediment forebay and the addition of bench planting. The primary indicators are wetland habitat and pollutants, including nitrogen, phosphorous and total suspended solids. The pond receives runoff from the church and parking lot. The retrofit will modify the existing pond to increase pollutant removal and to provide adequate channel protection. The retrofit will create a better functioning environment for gravitational settling, biological uptake and microbial activity.	Significant impervious area from parking lot, appears to be room to expand pond.	$170,000
PC-PC-0034	PC9122	Stormwater Pond Retrofit	This project proposes the retrofit of an existing pond north of Old Keene Mill Road, east of Field Master Drive, which receives runoff from adjacent roads and neighborhoods. The existing dry pond will be retrofitted to create an extended detention dry pond with a sediment forebay. This will provide adequate downstream channel protection and better function of temporary ponding, promoting pollutant settlement.	N/A	$900,000
PC-CY-0002	PC9123	Stormwater Pond Retrofit	This project proposes the retrofit of an existing public pond to create an extended detention dry pond with a sediment forebay at Pohick Regional Library. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which promotes pollutant settlement. The location is ideal because it will have minimal disturbances.	No existing dry pond at indicated location. Project location is at a high point. Not a viable project.	$150,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-OS-0001	PC9124	Stormwater Pond Retrofit	This project proposes the retrofit of two connecting ponds at Fairfax Baptist Temple Academy to create an extended detention dry pond with a sediment forebay. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure. This will promote particulate pollutant settlement.	Appears to be room for expansion and enhancement of existing ponds.	$920,000
PC-PC-0050	PC9125	Stormwater Pond Retrofit	Large dry pond near intersection of Burke Lake Road and Wilmington Drive. This project proposes the retrofit on an existing public pond to create an extended detention dry pond with a sediment forebay. The primary indicators are nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding by using a control structure. This also promotes the settlement of particulate pollutants.	Fenced in area. Little room to expand pond.	$440,000
PC-PC-0044	PC9126	Stormwater Pond Retrofit	This project proposes the retrofit of an existing pond at White Oaks Elementary School to create an extended detention dry pond with a sediment forebay. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. This retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure which promotes the settlement of pollutant particulates.	Add an additional inlet or swale on the east side of the playground to capture runoff and direct to the existing dry pond. Room for expansion and significant impervious areas contributing flow. WAG supports and says need is important.	$170,000
PC-SI-0004	PC9127	Stormwater Pond Retrofit	Large dry pond receives runoff from Terre Centre Elementary School (to the west) and residential neighborhood (to the east). The primary indicators are pollutants such as nitrogen, phosphorous and total suspended solids. Pond will be retrofitted to be an extended detention dry pond with a sediment forebay. This will allow for more pollutant settlement and downstream channel protection.	Highly impervious drainage area with runoff significant closed systems. The area surrounding pond is wooded.	$820,000
PC-SI-0006	PC9128	Stormwater Pond Retrofit	Closed collects runoff from adjacent residential neighborhood and discharges into pond. Pond outfalls across Burke Centre Parkway, through Wal-Mart parking lot and discharges into a stream across Roberts Parkway. Project proposes to retrofit existing pond to create an extended detention dry pond with a sediment forebay to allow for more sediment deposition and downstream channel protection.	Existing trail in vicinity. Appears to be small around of room to expand the facility. Pond is significantly vegetated reducing the opportunities for expansion. WAG supports.	$520,000
PC-SI-0008	PC9129	Stormwater Pond Retrofit	Fairfax County Wastewater Collection Division and parking lots drain from south to north. Runoff from parking lot is pipe into pond on north side of site, which outfalls to adjacent stream. A small area discharges directly to the stream. This project proposes the retrofit of an existing pond to create an extended detention dry pond with a sediment forebay. This will promote particulate pollutant deposition and downstream protection.	Significant impervious area piped directly from parking lot, appears to be room to expand pond.	$400,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-SI-0001	PC9130	Stormwater Pond Retrofit	The shopping center site flows to the south. Inlets in main parking lot pick up runoff and convey to paved ditch along west side of lot and is piped to existing pond for treatment. This project proposes to retrofit the existing pond with an extended detention pond with a sediment forebay. This will provide for more particulate pollution deposition and downstream channel protection.	Vegetation in pond is dead, pond has a lot of trash, outfall pipe seems to be half full of trash and other debris. Pond could be deepened to provide additional storage. Possible naturalization of concrete channels.	$380,000
PC-SI-0001	PC9131	Stormwater Pond Retrofit	This large dry pond behind a residential community is currently very well vegetated. This project proposes to modify the existing pond to create an extended detention dry pond with sediment forebay to allow improved removal of particulate pollutants. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids.	Because the area is well vegetated, it is not as good of a location for re-grading and retrofitting pond.	$300,000
PC-PC-0055	PC9132	Stormwater Pond Retrofit	Large pond behind Lakepointe Drive. This project proposes the retrofit of the pond to create an extended detention dry pond with a sediment forebay. The primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which enables particulate settlement.	Potential for pond expansion is diminished due to existing vegetation.	$920,000
PC-PC-0046	PC9133	Stormwater Pond Retrofit	This project proposes the retrofit of an existing pond at Lake Braddock Secondary School to create an extended detention dry pond with a sediment forebay. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. This retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which promotes particulate pollutant settlement.	WAG supports.	$220,000
PC-SI-0015	PC9134	Stormwater Pond Retrofit	Small dry pond receiving runoff from closed systems from large parking lot at St. Mary's Church, Concordia Street and Sideburn Road. Indicators are pollutants including phosphorous, nitrogen and total suspended solids. The project proposes the retrofit of the existing pond to create an extended detention dry pond with sediment forebay. The retrofit will modify the existing pond to create adequate downstream channel protection and allow for better function of pond using a control structure. This will promote particulate pollutants to settle out. Large open space adjacent to pond can be used for overflow during large storm events.	Observed erosion problems from new parking area.	$710,000
PC-RA-0005	PC9135	Stormwater Pond Retrofit	Dry pond retrofit proposed east of Nottinghill Lane and west of Roberts Road. Pond is upstream of culvert under Roberts Road, which outfalls to a stream on the other side of the road. This project proposes to create an extended detention dry pond with sediment forebay. The primary indicators are nitrogen, phosphorous and total suspended solids. This will provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which promotes deposition of particulate pollutants.	Feasibility of extensive improvements will be limited due to existing vegetation.	$980,000
PC-PC-0054	PC9136	Stormwater Pond Retrofit	This project proposes the retrofit of an existing pond near Dahlgreen Place Playground. The existing pond will be modified to create an extended detention dry pond with a sediment forebay. The primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure, which enables particulate pollutants to settle out.	Channel is deeply cut on side of pond.	$190,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-RA-0006	PC9137	Stormwater Pond Retrofit	Existing dry pond east of Wenzel Street proposed to be retrofitted to create an extended detention dry pond with sediment forebay. Pond currently receives runoff from adjacent neighborhoods. A stream also flows into it from the northeast. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection, which is important because the pond outfalls into an existing stream. It will also allow for better function of ponding using a control structure, which enables particulate pollutants to settle before entering the stream.	Not sufficient room to expand the pond due to existing vegetation.	$330,000
PC-RA-0010	PC9138	Stormwater Pond Retrofit	Pond (0036DP) east of Nantucket Court and northwest of Allenby Road. Collects runoff from adjacent residential neighborhoods. Project proposes to retrofit the pond to create an extended detention dry pond with sediment forebay. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to provide adequate downstream channel protection and allow for better function of temporary ponding using a control structure. This will also promote settlement of particulate pollutants.	Appears to be adequate space for expansion; This project would help slow discharge to stream.	$130,000
PC-SI-0016	PC9139	Stormwater Pond Retrofit	Existing pond receives runoff from shopping center and parking lot. The stormwater is conveyed in a closed system from north to west. Runoff is also received from subdivision to the east. The primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. The project proposes retrofitting the existing pond to create an extended detention dry pond with a sediment forebay. This will provide channel protection and promotes particulate pollutant settlement.	Pond behind large brick fence. Receives runoff from very large impervious area. Appears to be room for expansion.	$310,000
PC-RA-0011	PC9140	Stormwater Pond Retrofit	This project proposes the retrofit of an existing wet pond at George Mason University at Mason Pond Drive and Roanoke River Lane to create a wetland system with construction of a sediment forebay and the addition of bench planting. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The retrofit will modify the existing pond to increase pollutant removal and to provide adequate channel protection above the permanent pool. It will also create an environment for gravitational settling, biological uptake and microbial activity.	Significant impervious area contributing to this pond, including large parking lots. Additional treatment will be beneficial.	$400,000
PC-PC-0020	PC9200	Stream Restoration	Stream northwest of Henry G. Shirley Memorial Highway has indicators of poor channel morphology. This project proposes repairing bank and bed erosion thereby restoring the morphology. Stream stabilization will reduce sediment loads to the stream while maintaining capacity of the stream channel and controlling unwanted meander.	Significant forestation surrounding proposed project, which assists with pollutant removal.	$1,020,000
PC-PC-0021	PC9201	Stream Restoration	Stream west of Matisse Way and south of Northumberland Road. This project proposes repairing bank and bed erosion, restoring the poor channel morphology. Stream stabilization will reduce sediment loads to the stream while maintaining capacity of the channel and controlling unwanted meander.	Significant dense residential directly piped to stream.	$1,480,000
PC-SR-0007	PC9202	Suite of Projects	Stream west of Spring Creek Court and south west of Willowdale Court. Project proposes to repair bank and bed erosion, restoring channel morphology. This was indicated by the general morphology of the stream. Stream stabilization will reduce sediment loads to the stream while maintaining capacity of the stream channel and controlling unwanted meander of the stream. A stream buffer repair is proposed west of Hickory Ridge Court.		$1,120,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-SR-0007	PC9202A	Stream Restoration	Stream west of Spring Creek Court and south west of Willowdale Court. Project proposes to repair bank and bed erosion, restoring channel morphology. This was indicated by the general morphology of the stream. Stream stabilization will reduce sediment loads to the stream while maintaining capacity of the stream channel and controlling unwanted meander of the stream.	Could not walk along stream because everything was steep and extremely obstructed. Trees were hanging into the stream and many sediment deposits creating "islands." Areas were dammed.	$1,020,000
PC-SR-0007	PC9202B	Buffer Restoration	A stream buffer repair is proposed west of Hickory Ridge Court. The indicators are stream bank buffer deficiencies in headwater riparian habitat. The buffer repair would re-establish the RPA. Increasing vegetation will provide additional filtration of pollutants and will reduce runoff by intercepting water. This will increase surface storage and promote infiltration. It will also help minimize stream erosion.	Degraded buffer area is surrounded by vegetation therefore its deficiency is minimized.	$100,000
PC-PC-0023	PC9203	Stream Restoration	Stream southwest of Lake Pleasant Drive north of Kings Point Court. This project proposes repairing bank and bed erosion to restore channel morphology. The primary indicator is poor channel morphology. Stream stabilization will help to reduce sediment loads to the stream channel and control unwanted meander.	While there's significant contributing impervious area, buffer area appears well maintained.	$1,290,000
PC-SR-0007	PC9204	Stream Restoration	This project proposes daylighting a pipe from Rising Creek Court farther upstream with an energy dissipation device and construction of an open channel. The primary indicator is poor channel morphology. Daylighting will help with this by redirecting a closed system back to an aboveground channel, returning the water to its natural state and helping reduce runoff rates, which will help minimize stream erosion.	Very impervious area due to townhouses. Much of the run is not vegetated.	$180,000
PC-PC-0023	PC9205	Stream Restoration	Closed system collects runoff from Kings Point Court and one other cul-de-sac. The systems outfalls in a stream to the northwest. This project proposes daylighting the outfall pipe farther upstream. The primary indicator is channel morphology. This returns the water to its natural state before entering the stream. This helps reduce erosion by reducing runoff rates.	N/A	$170,000
PC-PC-0023	PC9206	Stream Restoration	Stream northeast of Lake Pleasant drive. Project proposes repairing bank and bed erosion to restore poor channel morphology. The stream stabilization will reduce sediment loads to the stream while maintaining capacity and controlling unwanted meander.	N/A	$140,000
PC-SR-0010	PC9207	Stream Restoration	This stream is west of Wagon Trail Lane and south of Huntsman Boulevard, collects runoff from adjacent residential neighborhoods. This project proposes to repair bank and bed erosion to restore channel morphology. The primary indicator is poor channel morphology. Stream stabilization will reduce sediment loads to the stream, maintaining the capacity of the stream channel and controlling unwanted meander.	N/A	$1,010,000
PC-SR-0018	PC9208	Stream Restoration	This project proposes daylighting a pipe from Northedge Drive. Along with this project, outfall protection and an energy dissipation device will be provided. The primary indicator is poor channel morphology. Daylighting redirects a closed system to an aboveground channel, returning the water to its natural state. This reduces erosion to the stream.	Very minor drainage area	$140,000
PC-PC-0025	PC9209	Stream Restoration	Stream southwest of Richfield Road and southeast of Ships Curve Lane. This project proposes repairing the bank and bed by restoring channel morphology. This primary indicator is poor channel morphology. The stream stabilization will reduce sediment loads to the stream while maintaining capacity of the stream channel and controlling unwanted meander.	Well vegetated buffer	$680,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-SR-0013	PC9210	Stream Restoration	Stream is east of and runs parallel to Lee Chapel Road. At downstream point, connects with perpendicular stream. This project proposes repairing bank and bed erosion, restoring channel morphology. The primary indicator was the poor channel morphology. The stream stabilization will reduce sediment while maintaining the capacity and controlling unwanted meander of the stream.	N/A	$1,380,000
PC-PC-0025	PC9211	Suite of Projects			$320,000
PC-PC-0025	PC9211A	Stream Restoration	An inlet collects runoff at the end of Middlewood Place and pipes it south into a stream. The primary indicator is channel morphology. The pipe leading into the stream is very steep, outfalling runoff at potentially erosive velocities. In order to alleviate these velocities, this project proposes to daylight the pipe farther upstream to return the water to its natural state, thereby reducing runoff rates and minimizing erosion.	N/A	$240,000
PC-PC-0025	PC9211B	Buffer Restoration	Stream buffer from Middlewood Place southeast to stream has deficiencies identified. This project proposes re-planting upland buffer area and providing reforestation. Increased vegetation from buffer will provide additional stream buffer for filtration of pollutants and will reduce runoff by intercepting the water and increasing surface storage and infiltration.	Steep slopes resulting in access difficulties.	$80,000
PC-SR-0015	PC9212	Stream Restoration	Stream east of Burke Lake and Lake Tree Drive. This project proposes repairing bank and bed erosion. The indicator was the channel morphology. Stream stabilization will reduce sediment loads to the stream while maintaining the capacity of the stream channel and controlling unwanted meander of the stream.	N/A	$2,510,000
PC-PC-0026	PC9213	Stream Restoration	An inlet collects runoff at the end of Ridgebrook Drive and a pipe conveys the runoff to a stream to the northeast. The primary indicator is poor channel morphology. This project proposes to daylight the pipe farther upstream to return the water to its natural state and reduce runoff rates, thereby minimizing erosion.	Very small drainage area	$250,000
PC-MR-0005	PC9214	Stream Restoration	Stream between Arley Drive and Golden Ball Tavern Court. Project proposes repairing bank and bed erosion, thereby restoring channel morphology. Primary indicator is poor channel morphology. Stream stabilization will reduce sediment loads to the stream, maintaining capacity of the stream channel and controlling unwanted meander.	Large residential drainage area, would benefit from restoration.	$690,000
PC-MR-0005	PC9215	Stream Restoration	Closed system collects runoff from Beachway Lane northwest of the stream. The system outfalls in a stream to the northwest. This project proposes daylighting the outfall pipe farther upstream. The primary indicator is channel morphology. This returns the water to its natural state before entering the stream. This helps reduce erosion by reducing runoff rates.	Very small drainage area	$100,000
PC-PC-0027	PC9216	Stream Restoration	Stream northeast of Whitlers Creek Court. Receives runoff from road and adjacent neighborhoods. This project proposes to repair bank and bed erosion to restore channel morphology. Primary indicator is poor channel morphology. Stream stabilization will reduce sediment loads to the stream while maintaining capacity and controlling unwanted meander.	Significant development with closed storm system	$550,000
PC-PC-0027	PC9217	Stream Restoration	Inlet collects runoff from the west end of Whitlers Creek Court. The pipe outfalls directly into a stream to the west. This project proposes daylighting the outfall pipe farther upstream to return the water to its natural state. This will reduce runoff rates and minimize erosion.	Small drainage area	$80,000
PC-PC-0027	PC9218	Stream Restoration	Closed system collects runoff from portions of Olde Lantern Way and Ridge Crossing Lane. The runoff is conveyed through a pipe and outfalls into a stream to the east. The primary indicator is poor channel morphology. This project proposes daylighting a pipe farther upstream, providing outfall protection with an energy dissipation device and constructing an open channel. This will return the water to its natural state and reduce runoff rates, thereby minimizing erosion to the stream.	N/A	$540,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-SR-0017	PC9219	Stream Restoration	Stream running parallel to Old Keene mill Road to the northwest. Stream feeds directly into Burke Lake. The primary indicator is the poor channel morphology. This project proposes repairing bank and bed erosion, restoring channel morphology. Stream stabilization will reduce sediment while maintaining the capacity and controlling unwanted meander of the stream. This project is critical because of its proximity to Burke Lake.	Good channel upstream and significant forested buffer.	$790,000
PC-SR-0023	PC9220	Stream Restoration	Stream running north of Burke Lake Road. Receives runoff from adjacent residential neighborhoods. This project proposes repairing bank and bed erosion to restore poor channel morphology. Stream stabilization will reduce sediment loads while maintaining capacity and controlling unwanted meander. Stream will eventually outfall into Burke Lake. Improving upstream conditions will have a positive affect on the lake.	N/A	$1,580,000
PC-SR-0020	PC9221	Stream Restoration	Stream northeast of Burke Lake. Stream feeds into Lake. The main indicator is poor channel morphology. This project proposes repairing bank and bed erosion to restore channel morphology. The stream stabilization will reduce sediment loads to the stream, maintaining the capacity of the stream and controlling unwanted meander. This project is critical due to its impact on Burke Lake.	N/A	$760,000
PC-PC-0033	PC9222	Stream Restoration	Stream flowing northeast towards Old Keene Mill Road. Stream collects runoff from several adjacent neighborhoods. This project proposes repairing bank and bed erosion to restore channel morphology. Stream stabilization will reduce sediment loads to the stream while maintaining capacity and controlling unwanted meander.	N/A	$1,260,000
PC-SR-0022	PC9223	Stream Restoration	Stream outfalling into pond northeast of Lake Meadow Drive. Primary indicator is poor channel morphology. The project proposes repairing bank and bed erosion thereby restoring channel morphology. Stream stabilization will reduce sediment loads to the stream, maintaining capacity of the stream channel and controlling unwanted meander of the stream. Repairing upstream conditions will ultimately improve condition of pond.	Fences prevented access. Discharging to a TBD pond. Downstream of this area there are 2 stormwater ponds.	$530,000
PC-SR-0023	PC9224	Stream Restoration	Stream west of Ox Croft Court. The project proposes to repair bank and bed erosion, thereby restoring channel morphology. The primary indicator is poor channel morphology. Stream stabilization will reduce sediment loads while maintaining the capacity of the stream and controlling the meander of the stream. This stream eventually outfalls into Burke Lake. Improving upstream conditions will have a positive affect on the condition of the Lake.	N/A	$1,020,000
PC-PC-0036	PC9225	Stream Restoration	Stream is located southwest of Huntsman Boulevard. Receives runoff from adjacent neighborhoods. This project proposes repairing bank and bed erosion to restore channel morphology. The primary indicator is poor channel morphology. Stream stabilization will reduce sediment loads while maintaining the capacity of the stream and control unwanted meander.	Stream bed completely dry. Dense residential area piped to stream.	$940,000
PC-PC-0035	PC9226	Stream Restoration	Stream located northeast of Hillside Road. Runoff is sheet flow from adjacent neighborhoods and a closed system from Red Fox Estates Court. Project proposes repairing bank and bed erosion to restore channel morphology. Primary indicators are poor channel morphology. The stream stabilization will reduce sediment loads while maintaining capacity of the stream and controlling unwanted meander.	WAG supports.	$1,010,000
PC-PC-0044	PC9227	Stream Restoration	Closed system collects runoff from Capella Ave. and large surrounding area including residential . Pipe outfalls into stream east of Capella Drive. Due to poor channel morphology, this project proposes daylighting the outfall farther upstream to restore the water to its natural state before reaching the stream. This will reduce velocities entering stream and minimize stream erosion.	Daylighting should occur at northeast side of parcel. Created channel needs to meander around adjacent parcel.	$90,000
PC-PC-0044	PC9228	Suite of Projects			$1,560,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-PC-0044	PC9228A	Stream Restoration	Stream west of Shiplett Boulevard northwest of Glenbard Road has poor channel morphology. This project proposes repairing bank and bed erosion to restore channel morphology. The stream stabilization will reduce sediment loads while maintaining the capacity of the stream and controlling unwanted meander.	Good existing buffer to stream.	$1,550,000
PC-PC-0044	PC9228B	Dumpsite/ Obstruction Removal	Stream north of Buffie Court and west of Orion Court. Obstruction was verified during field verification. This project proposes to remove the obstructions blocking the stream channel to restore natural conditions. Removal of obstructions will help restore the function of the stream.	N/A	$10,000
PC-PC-0037	PC9229	Stream Restoration	Stream northeast of Hillside Road, proposes repairing bank and bed erosion to restore morphology. Primary indicator is poor channel morphology. Stream receives runoff from sheet flow and closed systems from adjacent residential neighborhoods. Stream stabilization will reduce sediment loads to the stream while maintaining capacity and controlling unwanted meander.	Evidence of erosion due to trees leaning into stream.	$1,560,000
PC-PC-0050	PC9230	Stream Restoration	Stream west of Burke Centre Parkway north of Rand Drive has poor channel morphology. This project proposes repairing bank and bed erosion to restore channel morphology. The stream stabilization will reduce sediment loads while maintaining the capacity of the stream and controlling unwanted meander.	Stream covered in branches and debris. WAG supports. Significant impervious area draining to stream, minimal buffer between residential area and stream.	$610,000
PC-PC-0037	PC9231	Stream Restoration	Runoff is collected behind houses on Garden Road and enter a closed system. The primary indicator is poor channel morphology. This project proposes daylighting the pipe farther upstream. Daylighting the pipe will allow the water to return to its natural state and create an open channel. This will reduce flow rates and minimize stream erosion.	Limited drainage area.	$80,000
PC-PC-0049	PC9232	Stream Restoration	This project proposes a stream restoration for stream west of Lincolnwood Ct. This stream receives sheet flow and runoff from a closed system from adjacent residential neighborhoods. The project proposes repairing bank and bed erosion and restoring channel morphology. Stream stabilization will reduce sediment loads, will maintain capacity of stream and control unwanted meander.	Neighborhood has multiple stormwater ponds treating runoff.	$1,210,000
PC-PC-0045	PC9233	Stream Restoration	Stream northwest of Burke Road. Due to poor channel morphology, this project proposes repairing bank and bed erosion while restoring channel morphology. Stream stabilization will reduce sediment loads while maintaining capacity of the stream and controlling unwanted meander.	N/A	$1,560,000
PC-PC-0049	PC9234	Stream Restoration	This project proposes repairing bank and bed erosion, restoring channel morphology to a stream north of Nantick Road. Stream receives runoff from residential neighborhood by both direct runoff and from a closed system. The primary indicator is poor stream stabilization. This project will reduce sediment loads while maintaining the capacity of the stream and controlling unwanted meander.	N/A	$1,270,000
PC-PC-0041	PC9235	Stream Restoration	Two inlets collect runoff from Veranda Drive and pipe it to adjacent stream to the east. Due to poor channel morphology, a project has been proposed to daylight the pipe farther upstream by creating an open channel. This will return the water to its natural state and reduce runoff rates, minimizing stream erosion.	N/A	$140,000
PC-SI-0008	PC9236	Stream Restoration	Stream continues downstream of the culvert under Oak Leather Drive. The primary indicator is poor channel morphology. Project proposes to repair bank erosion and restore channel morphology. Doing this will ultimately reduce sediment loads and maintain capacity of the stream.	Stream appears to be dry. Evidence of erosion. WAG supports. In a residential area and buffer area greatly reduced.	$190,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-SI-0007	PC9237	Stream Restoration	Stream runs between Reeds Landing Ct and Burnside Landing Dr. Pipes discharge directly into streams from adjacent subdivisions. Stream stabilization will reduce sediment loads to the stream and maintain capacity of the stream channel and control unwanted meander.	N/A	$580,000
PC-SI-0007	PC9238	Stream Restoration	Runoff collected in a closed system from Burke Centre Parkway, Cove Landing Road and adjacent residential neighborhoods. The purpose of this project is to daylight the outfall pipe farther upstream to return water to its natural state, reducing runoff rates and minimizing stream erosion and to add an energy dissipation device.	N/A	$60,000
PC-SI-0007	PC9239	Stream Restoration	Runoff from a residential neighborhood collected in a closed system of pipes. Currently, pipe outfalls directly into stream. The primary indicator is poor channel morphology. This project proposes to daylight the pipe upstream. This will return the runoff to its natural state and resulting in a reduction of stream erosion.	N/A	$90,000
PC-SI-0009	PC9240	Stream Restoration	Upstream of culvert under Burke Centre Parkway, coveys stormwater from residential neighborhoods. The primary indicator is poor channel morphology. The purpose of the project is to restore channel morphology in order to reduce sediment loads to the stream while maintaining capacity of the stream channel and controlling unwanted meandering of the stream and to add an energy dissipation device.	WAG supports.	$850,000
PC-SI-0009	PC9241	Stream Restoration	Upstream of culvert under Oak Leather Drive. Stream conveys runoff from neighborhood and community recreation facilities. Stream stabilization will repair bank and bed erosion and restore stream morphology. This will help maintain the capacity of the stream and control unwanted meander.	Rocks have created as surface that doesn't appear to allow proper drainage.	$920,000
PC-PC-0049	PC9242	Stream Restoration	This project proposes the repair of bank and bed erosion to a stream north of Burke Towne Court. The primary indicator is poor channel morphology. Stream receives runoff from adjacent residential neighborhood. The stream stabilization will reduce sediment loads while maintaining capacity of the stream and controlling unwanted meander.	Ponds treating the stormwater directly upstream of it.	$1,160,000
PC-SI-0005	PC9243	Stream Restoration	Stream runs adjacent to Roberts Parkway. The project proposes repairing bank and bed erosion and restoring stream morphology. This will help maintain the capacity of the stream and control unwanted meander.	N/A	$1,910,000
PC-PC-0048	PC9244	Stream Restoration	Closed system collects runoff from large industrial area and access road and outfalls into stream. Due to poor downstream channel morphology, this project is proposed to daylight the outfall pipe farther upstream to return the water to its natural state, thereby reducing runoff rates and stream erosion.	Very small drainage area with little impervious area	$70,000
PC-PC-0042	PC9245	Stream Restoration	This project proposes repairing bank and bed erosion to restore channel morphology of stream north of Burke Road. Primary indicators are poor channel morphology. Stream stabilization will reduce sediment loads to the stream, maintaining the capacity of the channel and controlling unwanted meander.	Surrounded by significant dense residential area.	$860,000
PC-SI-0005	PC9246	Stream Restoration	This project proposes bank and bed erosion repair to improve poor channel morphology of a stream east of Roberts Parkway and south of the railroad tracks. Stream restoration will reduce sediment loads while maintaining capacity and controlling unwanted meander.	Stream appears to have several obstructions and is in very poor condition.	$290,000
PC-SI-0005	PC9247	Suite of Projects			$540,000
PC-SI-0005	PC9247A	Stream Restoration	Stream collects runoff from adjacent residential neighborhoods and is downstream of large wet pond. The primary indicator is poor channel morphology. Project proposes to repair bank and bed erosion to restore channel morphology. This will reduce sediment loads and maintain capacity of the stream.	N/A	$530,000
PC-SI-0010	PC9247B	Dumpsite/ Obstruction Removal	South of industrial facility on Premier Court. Possible appliance dumpsite. Primary indicators are flood complaints followed by field verification. Removal of obstruction will help restore the natural shape and function of the stream.	N/A	$10,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-RA-0001	PC9248	Stream Restoration	This project proposes repairing bank and bed erosion between Guinea Road and the railroad tracks. This will help to restore the poor channel morphology. Stream stabilization will reduce sediment loads to the stream while maintaining the capacity of the channel and controlling unwanted meandering.	Well forested buffer area.	$570,000
PC-PC-0046	PC9249	Stream Restoration	Stream northwest of Lake Braddock Dr. This project proposes to repair bank and bed erosion, thereby restoring channel morphology. The primary indicator is poor channel morphology. Stream stabilization will reduce sediment loads while maintaining capacity and controlling unwanted meander.	Has residential areas directly pipe and there is loss of RPA in some areas.	$1,040,000
PC-SI-0010	PC9250	Stream Restoration	Stream south of Golden Eye Lane and north of railroad tracks. Stream receives runoff from adjacent neighborhoods. This project proposes to repair bank and bed erosion and restore channel morphology. The primary indicator is poor channel morphology. This will reduce the sediment loads to the stream while maintaining capacity and controlling the meandering.	N/A	$1,000,000
PC-PC-0053	PC9251	Stream Restoration	Stream between Olley Lane and Winbourne Road. This project proposes repairing bank and bed erosion to restore channel morphology. Stream stabilization will reduce sediment loads to the stream maintaining the capacity of the stream channel and control unwanted meander. The banks of the existing stream are eroded.	Stream banks eroded. Significant residential area pipe directly to stream.	$520,000
PC-PC-0052	PC9252	Stream Restoration	This project proposes repairing bank and bed erosion to restore channel morphology of stream near Wallingford Drive. Stream stabilization will reduce sediment loads to the stream while maintaining the capacity and controlling unwanted meander. Stream is adjacent to roadway.	WAG supports.	$390,000
PC-PC-0052	PC9253	Stream Restoration	Closed system collects runoff from Wallingford Dr and Lake Braddock Road and outfalls into stream north of Lake Braddock Drive. Due to poor downstream morphology, a project has been proposed to daylight the outfall pipe father upstream. This will allow the water to return to its natural state before entering the stream. As a result, runoff rates will be lower and will minimize stream erosion.	WAG supports.	$60,000
PC-SI-0013	PC9254	Stream Restoration	Stream discharges into pond to Woodglen Pond to east. The primary indicator is poor channel morphology. A project is proposed to restore the stream by repairing bank and bed erosion by restoring channel morphology. This will reduce sediment loads to the stream while maintaining capacity of the stream channel and controlling unwanted meander of the stream.	N/A	$1,050,000
PC-PC-0053	PC9255	Stream Restoration	A closed system collects runoff from Wallingford Drive and Olley Lane and outfalls to a stream to the south. Due to poor downstream channel morphology, this project has been proposed to daylight pipe farther upstream to return water to its natural state. This will reduce runoff rates and minimize stream erosion.	South and west neighborhoods both have stormwater facilities. Northern neighborhood does not appear to have any.	$170,000
PC-RA-0004	PC9256	Stream Restoration	Stream north of Windsor Hills Drive has indicators of poor channel morphology. In order to improve the channel, this project proposes repairing bank and bed erosion to restore channel morphology. Stream receives runoff from closed systems and run off of adjacent residential neighborhoods. Stream stabilization will reduce sediment loads to the stream while maintaining capacity of the channel and controlling unwanted meander.	N/A	$1,100,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-PC-0054	PC9257	Stream Restoration	Stream near Fairleigh Court. This project proposes repairing bank and bed erosion to restore channel morphology. Stream receives runoff from closed system captured in residential neighborhoods. Primary indicator is poor channel morphology. Stream stabilization will reduce sediment loads to the stream while maintaining stream capacity and controlling unwanted meander.	WAG - Site is believed to be primary source of sediment. SWMF downstream has recently been cleaned, but there is concern of insufficient filtration. Field observation - Stream dry and very eroded. Dense residential area piped directly to stream.	$340,000
PC-PC-0054	PC9258	Stream Restoration	This project proposes daylighting a pipe from a residential neighborhood (Dahlgreen Place) farther upstream. The primary indicator is poor channel morphology. This project will return the water to its natural state and will therefore reduce runoff rates and stream erosion.	N/A	$120,000
PC-RA-0005	PC9259	Stream Restoration	This project proposes the repair of bank and bed erosion to a stream that enters 0223DP. The primary indicators are poor channel morphology. Stream stabilization will reduce sediment loads to the stream while maintaining capacity. This is especially important at the upstream location of the lake.	N/A	$810,000
PC-RA-0006	PC9260	Stream Restoration	Stream running parallel to Powell Road towards Commonwealth Boulevard has indicators of poor channel morphology. The project proposes to repair bank and bed erosion, restoring channel morphology. Stream stabilization will reduce sediment loads to the stream while maintaining capacity of the channel and controlling unwanted meander.	N/A	$1,110,000
PC-SI-0015	PC9261	Stream Restoration	This project proposes restoration of a stream running parallel to Colton Street. The project consists of repairing bank and bed erosion and restoring channel morphology. The primary indicator is poor channel morphology. Stream stabilization would reduce sediment loads to the stream while maintaining capacity and controlling unwanted meander.	Residential area piped directly to it without any treatment.	$720,000
PC-SI-0015	PC9262	Stream Restoration	Stream to the east of Portsmouth Road and west of Gadsen Drive, flows to the south. Collects runoff from adjacent residential neighborhoods on either side. This project proposes the repair and restoration of bank and bed erosion. The stream stabilization will reduce sediment loads to the stream and maintain the capacity of the stream channel to control unwanted meander of the stream.	Residential area piped directly to it without any treatment.	$1,520,000
PC-RA-0008	PC9263	Stream Restoration	Stream west of Dequincey Drive shows indications of poor channel morphology. In order to improve the channel morphology, this project proposes to repair bank and bed erosion. The stream currently receives runoff from adjacent neighborhoods by sheet flow and close system outfalls. The stream stabilization will reduce sediment loads to the stream, maintaining capacity of the stream channel and controlling unwanted meander.	Large residential drainage area.	$800,000
PC-SI-0016	PC9264	Stream Restoration	Closed pipe system in neighborhood park outfalls into adjacent stream. Project proposes to daylight the pipe farther upstream. This will return that water to its natural state and help reduce runoff rates minimizing stream erosion.	N/A	$50,000
PC-RA-0010	PC9265	Stream Restoration	Stream running parallel to Tapestry Drive and west of Roberts Road. This project proposes to improve channel morphology by repairing bank and bed erosion. Stream receives runoff from several adjacent residential neighborhoods. Stream stabilization will reduce sediment loads to the stream, maintaining capacity of the stream channel and controlling unwanted meander.	Surrounding residential neighborhoods contain stormwater ponds.	$1,830,000
PC-RA-0009	PC9266	Stream Restoration	Stream west of Banting Drive, receives runoff from adjacent development. To improve poor channel morphology, this project proposes to repair bank and bed erosion. Stream stabilization will reduce sediment loads to the stream while maintaining capacity of the stream channel and controlling unwanted meander.	N/A	$390,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-RA-0009	PC9267	Stream Restoration	Project proposes daylighting pipe coming from hospital/healthcare facility campus entering stream. The primary indicator is poor channel morphology. Daylighting a piped outfall farther upstream and providing both outfall protection and an energy dissipation device will redirects a closed system back to an aboveground channel returning the water to its natural state and helping reduce runoff rates, thereby minimizing channel erosion.	N/A	$100,000
PC-RA-0013	PC9268	Stream Restoration	This project proposes improving the stream morphology by repairing bank and bed erosion. The stream runs southeast towards Braddock Road alongside Tapestry Drive where it connects with another stream. Many adjacent neighborhoods convey their stormwater in closed systems and outfall into stream. The stream stabilization will reduce sediment loads to the stream while maintaining capacity of the stream channel and controlling unwanted meander.	Significant residential area piped directly to stream.	$1,760,000
PC-RA-0014	PC9269	Stream Restoration	Stream west of Nuttall Road and north of Red Spruce Road outfalls in 0588DP. Due to poor channel morphology, this project proposes repairing bank and bed erosion. Stream stabilization will reduce sediment loads to the stream while maintaining the capacity of the channel and controlling unwanted meander of the stream.	Stream dry.	$680,000
PC-PC-0007	PC9500	BMP/LID	This project proposes replacement of existing pavement in parking stalls with pervious pavement or pavers at Lorton Athletic Field. If necessary, additional underground detention may be provided. The indicator is the total impervious area. Pervious pavement will treat and/or reducing parking lot runoff using semi-porous material that will promote infiltration and will trap pollutants in the soil. Will also allow for surface storage, thereby reducing runoff volumes.	Ideal location because parking lot runoff is not captured by a closed system and flows into grassy area.	$1,410,000
PC-PC-0007	PC9501	BMP/LID	This project proposes the creation of a bioretention landscaping feature to receive runoff from impervious areas at Norman M. Cole Jr. Wastewater Treatment Plant off Richmond Highway. The indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The bioretention will capture sheet flow from impervious area and create an ideal environment for filtration, biological uptake and microbial activity, providing moderate to high pollutant removal, and reduce runoff rates.	Cannot access without permission.	$1,100,000
PC-PC-0012	PC9502	BMP/LID	This project proposes replacement of existing pavement in parking stalls with pervious pavement or pavers at the Lorton Station Elementary School located south of Lorton Road. Additional underground detention may be provided as site conditions permit. The primary indicator was total impervious area. The pervious pavement will treat and/or reduce parking lot runoff by using a porous material that allows runoff to infiltrate then trap pollutants in the soil. It will also allow for surface storage, reducing runoff volumes.	N/A	$490,000
PC-PC-0013	PC9503	BMP/LID	Bioretention area proposed at Lorton Station Elementary School north of Lewis Chapel Road. Indicators are pollutants including nitrogen, phosphorous and total suspended solids. Bioretention will capture sheet flow from impervious areas and create an ideal environment for filtration, biological update and microbial activity, providing moderate to high pollutant removal. It will also reduce the outflow to the storm system. The location selected is a low spot of the edge of large recreation field. Consideration would need to be given to minimize disturbance.	No designated entrance to field so could be potential disturbance if bioretention area is created. Location good.	$80,000
PC-PC-0012	PC9504	BMP/LID	This project proposes the collection of downspouts in rain barrels or roof drains in underground cisterns for reuse in irrigation at the Lorton Station Elementary School north of Lewis Chapel Road. The primary indicator is the total impervious area. The rain barrel program will capture, store and reuse rooftop runoff from downspouts. The rain barrels can be used by students as a hands-on educational program.	Visible roof overflows; Project would be great for demonstration and educational purposes.	#N/A
PC-PC-0013	PC9505	BMP/LID	This project proposes the replacement of existing pavement in parking stalls with pervious pavement or pavers at the Lorton Station Center School. The primary indicator is total impervious cover. Additional underground detention may be provided as site condition require. Pervious pavement will treat and reduce parking lot runoff using a semi-porous material that allows runoff to infiltrate then trap pollutants in the soil. It will also allow for surface storage and reduced runoff.	WAG concerned about maintenance since project is at a school.	$640,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-SL-0001	PC9506	BMP/LID	This project proposes the installation of a bioswale at Newington Heights Park. The bioswale will receive runoff from tennis courts and basketball courts. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The bioswale will capture sheet flow from impervious areas and create an ideal environment for filtration, biological uptake and microbial activity. It will also reduce runoff volume and promote groundwater recharge. Location ideal because already a functioning swale.	Good location.	$20,000
PC-PC-0021	PC9507	BMP/LID	The project proposes a rain barrel/cistern at Saratoga Elementary School east of Northumberland Road. This will capture, store and reuse runoff from the rooftop. The primary indicators are high impervious areas directly connected to impervious area. The rain barrels can be used by students for hands-on educational programs.	Roof drains and roof overflows visible. Project would be great for demonstration and educational purposes.	#N/A
PC-SR-0005	PC9508	Suite of Projects			$140,000
PC-SR-0005	PC9508A	BMP/LID	This project proposes the creation of a bioretention landscaping feature at Newington Forest Elementary School. The location is ideal because it will receive runoff from large impervious areas. The primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. The bioretention will capture sheet flow and create an ideal environment for filtration, biological uptake and microbial activity. It will also reduce the outflow to the storm sewer system and recharge groundwater.	On a field that will be used by children, but could be situated out of the way.	$60,000
PC-SR-0006	PC9508B	BMP/LID	This project proposes the creation of a bioretention landscaping feature at Newington Forest Elementary School. The primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. The bioretention will capture sheet flow and create an ideal environment for filtration, biological uptake and microbial activity. It will also reduce the outflow to the storm sewer system and recharge groundwater.	Drainage area is just island where proposed bioswale is and does not include any impervious area.	$80,000
PC-SR-0004	PC9509	BMP/LID	The project proposes a rain barrel/cistern at Newington Forest Elementary School southeast of Newington Forest Avenue. This will capture, store and reuse runoff from the rooftop. The primary indicators are high impervious areas directly connected to impervious area. The rain barrels can be used by students for hands-on educational programs.	Roof overflows visible. Project would be great for demonstration and educational purposes.	#N/A
PC-SR-0011	PC9510	Suite of Projects	This project proposes the creation of a bioretention landscaping feature to receive runoff from South Run Recreation Center. The location is such that the bioretention area should receive runoff from the adjacent parking lot. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The filtration will capture and treat stormwater before entering the storm drain system.	Not an ideal location for bioretention due to minimal amount of runoff reaching area and low benefit.	$210,000
PC-SR-0011	PC9510A	BMP/LID	This project proposes the creation of a bioretention landscaping feature to receive runoff from South Run Recreation Center. The location is such that the bioretention area should receive runoff from the adjacent parking lot. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The filtration will capture and treat stormwater before entering the storm drain system.	Not an ideal location for bioretention due to minimal amount of runoff reaching area and low benefit.	$180,000
PC-SR-0012	PC9510B	Outfall Improvement	This project proposes the reconstruction of roadside swales on the access road to South Run Recreation Center. These swales will have vegetative plantings, an energy dissipation device and check dams. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. These retrofitted swales will reduce flow velocities and increase filtration capacity. Swales along road should have minimal disturbance.	N/A	$30,000
PC-MR-0005	PC9511	BMP/LID	This project proposes incorporation of BMP inlet inserts or manufactured BMP filtration systems to provide pollutant removal at the Huntsman Square Shopping Center, west of Huntsman Boulevard and north of Fairfax County Parkway. The primary indicators are pollutants, including nitrogen, phosphorus and total suspended solids. Filtration will capture and treat stormwater runoff from the highly impervious area prior to entering storm drain system.	WAG concerned about maintenance since project is at a school.	$190,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-PR-0001	PC9512	BMP/LID	The project proposes a rain barrel/cistern at Sangster Elementary School northwest of Reservation Drive. This will capture, store and reuse runoff from the rooftop. The primary indicators are high impervious areas directly connected to impervious area. The rain barrels can be used by students for hands-on educational programs.	Roof overflows visible. Project would be great for demonstration and educational purposes.	#N/A
PC-PC-0028	PC9513	BMP/LID	This project proposes the installation of a bioswale at Hunt Valley Elementary School west of Sydenstricker Road. Check dams may be used to reduce velocity. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The bioswale is proposed on the side of a slope in a large athletic field behind the school. The bioswale will create an ideal environment for filtration, biological uptake and microbial activity. It will reduce runoff and promote groundwater recharge.	N/A	$60,000
PC-PC-0028	PC9514	BMP/LID	The project proposes a rain barrel/cistern at Hunt Valley Elementary School. This will capture, store and reuse runoff from the rooftop. The primary indicators are high impervious areas directly connected to impervious area. The rain barrels can be used by students for hands-on educational programs.	No visible roof drains. Project would be great for demonstration and educational purposes.	#N/A
PC-MR-0006	PC9515	Suite of Projects			$270,000
PC-MR-0006	PC9515A	BMP/LID	This project proposes the creation of a bioretention landscaping feature to receive runoff from areas at Orange Hunt Elementary School. Indicators are pollutants including nitrogen, phosphorous and total suspended solids. Bioretention will capture sheet flow and create an ideal environment for filtration, biological uptake and microbial activity. To make this site a good location, more impervious runoff would need to be directed to this area.	Existing concrete swale (dry). Good location behind a fence. Abuts light pole.	$100,000
PC-MR-0006	PC9515B	BMP/LID	This project proposes the creation of a bioretention landscaping feature to receive runoff from areas at Orange Hunt Elementary School. Indicators are pollutants including nitrogen, phosphorous and total suspended solids. Bioretention will capture sheet flow and create an ideal environment for filtration, biological uptake and microbial activity. To make this site a good location, more impervious runoff would need to be directed to this area.	N/A	$170,000
PC-PC-0033	PC9516	BMP/LID	The project proposes a rain barrel/cistern at Orange Hunt Elementary School. This will capture, store and reuse runoff from the rooftop. The primary indicators are high impervious areas directly connected to impervious area. The rain barrels can be used by students for hands-on educational programs.	Visible roof overflows. Rooftop runoff appeared to be internally piped therefore would need to be a cistern. Project would require construction of underground cistern- very expensive.	#N/A
PC-PR-0002	PC9517	Suite of Projects			$160,000
PC-PR-0002	PC9517A	BMP/LID	This project proposes the creation of a bioretention area to receive runoff at Cherry Run Elementary School, northeast of Raftelis Road. The site is on the east side of the school on a grassy island. Primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The bioretention area will capture sheet flow from impervious areas and create an ideal environment for filtration, biological uptake and microbial activity. It will reduce runoff volume and increase groundwater recharge. This location was chosen because it will have minimal disturbance.	Appears to be adequate space for the project; Would provide excellent demonstration and educational value.	$120,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-CY-0003	PC9517B	BMP/LID	This project proposes the creation of a bioretention area to receive runoff at Cherry Run Elementary School, northeast of Raftelis Road. The site is on the far north side of the athletic fields. Primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The bioretention area will capture sheet flow from impervious areas and create an ideal environment for filtration, biological uptake and microbial activity. It will reduce runoff volume and increase groundwater recharge. This location was chosen because it will have minimal disturbance.	Appears to be adequate space for the project; Would provide excellent demonstration and educational value.	$40,000
PC-PR-0002	PC9518	BMP/LID	The project proposes a rain barrel/cistern at Cherry Run Elementary School northwest of Raftelis Road. This will capture, store and reuse runoff from the rooftop. The primary indicators are high impervious areas directly connected to impervious area. The rain barrels can be used by students for hands-on educational programs.	No visible roof drains. Project would require construction of underground cistern- very expensive.	#N/A
PC-PC-0028	PC9519	Suite of Projects			$150,000
PC-PC-0028	PC9519A	BMP/LID	This project proposes the creation of a bioretention landscaping feature to receive runoff from impervious areas at Rolling Valley Elementary School, south of Rolling Road. Runoff will sheet flow to the area of proposed bioretention. Primary indicators are pollutants, including phosphorous, nitrogen and total suspended solids. This will create an ideal environment for filtration, biological uptake and microbial activity. Area should have minimal disturbance.	This is not an ideal location for a bioretention area; Runoff is difficult to route to this location.	$100,000
PC-PC-0028	PC9519B	BMP/LID	This project proposes the creation of a bioretention landscaping feature to receive runoff from impervious areas at Rolling Valley Elementary School, south of Rolling Road. Runoff will sheet flow to the area of proposed bioretention. Primary indicators are pollutants, including phosphorous, nitrogen and total suspended solids. This will create an idea environment for filtration, biological uptake and microbial activity. Area should have minimal disturbance.	This is would be a good for demonstration and educational purposes. Area would need to be protected from foot traffic.	$50,000
PC-PC-0029	PC9520	BMP/LID	The project proposes a rain barrel/cistern at Rolling Valley Elementary School. This will capture, store and reuse runoff from the rooftop. The primary indicators are high impervious areas directly connected to impervious area. The rain barrels can be used by students for hands-on educational programs.	No visible roof drains. Project would require construction of underground cistern- very expensive.	#N/A
PC-PC-0029	PC9521	BMP/LID	This project proposes the replacement of existing pavement in parking stalls with pervious pavement or pavers at Rolling Valley Elementary School, east of Barnack Drive. The primary indicator is total impervious area. The pervious pavement will treat and reduce parking lot runoff by using a semi-porous material that allows runoff to infiltrate. Pollutants will be trapped in soil. Additional underground detention may be provided as site conditions permit.	WAG concerned about maintenance since project is at a school. Parking stalls could be replaced with pervious pavement. Add good demonstration and educational value.	$810,000
PC-PC-0031	PC9522	BMP/LID	This project proposes the replacement of existing pavement in parking stalls with pervious pavement or pavers at Orange Hunt Pool, south of Bridle Wood Drive. The primary indicator is total impervious area. The pervious pavement will treat and reduce parking lot runoff by using a semi-porous material that allows runoff to infiltrate. Pollutants will be trapped in soil. Additional underground detention may be provided as site conditions permit.	N/A	$890,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-CY-0002	PC9523	BMP/LID	This project proposes the installation of a bioswale at Rolling Valley West Park around the tennis court. Runoff from tennis courts will enter bioswales. Primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids, as well as directly connected impervious areas. Bioswales will capture sheet flow from impervious areas and create an ideal environment for filtration, biological uptake and microbial activity. It will also reduce runoff and promote groundwater recharge. Location of proposed bioswale could have potential disturbances.	N/A	$70,000
PC-CY-0003	PC9524	BMP/LID	This project proposes the replacement of existing pavement in parking stalls with pervious pavement or pavers at the School of the Nativity. Primary indicators are total impervious area and total urban land cover. The pervious pavement will treat and reduce parking lot runoff using a semi-porous material that allows runoff to infiltrate then trap pollutants in the soil. It will also allow for surface storage which will reduce runoff rates. This large parking lot would an ideal location for this type of treatment.	Low priority due to existing stormwater pond.	$2,270,000
PC-PC-0039	PC9525	BMP/LID	This project proposes the incorporation of BMP inlet inserts or manufactured BMP filtration systems to provide pollutant removal at Rolling Valley Mall north of Old Keene Mill Road. The primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. Filtration will capture and treat stormwater runoff from highly impervious areas prior to entering the storm drain system.	This is a large impervious area that would greatly benefit was stormwater treatment.	$170,000
PC-OS-0001	PC9526	BMP/LID	Bioswale proposed at the Fairfax Baptist Temple Academy. Area proposed at foot of soccer field. Indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The bioswale will capture sheet flow and create an ideal environment for filtration, biological uptake and microbial activity. Will also contribute to reduced runoff volumes and increase groundwater recharge.	Would require a lot of re-grading because if a swale was cut in as is, side slopes would be unsuitable.	$90,000
PC-PC-0044	PC9527	BMP/LID	The project proposes a rain barrel/cistern at White Oaks Elementary School off Sideburn Road. The primary indicators are high impervious areas directly connected to impervious area. This will capture, store and reuse runoff from the rooftop. The cisterns can be used by students for hands-on educational programs.	Project would require construction of underground cistern- very expensive. WAG supports.	#N/A
PC-PC-0049	PC9528	BMP/LID	This project proposes the construction of a bioswale at Burke Center School northeast of Lee Chapel Road. The primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. The bioswale will capture sheet flow and create an ideal environment for filtration, biological uptake and microbial activity. It will reduce runoff volume and increase groundwater discharge. The drainage area for this proposed bioswale does not include much impervious area, which might not make this an ideal location.	WAG: Support these low-cost projects that improve water quality and educate students. Increase priority due to low-cost.	$90,000
PC-PC-0035	PC9529	BMP/LID	This project proposes the creation of bioretention landscaping features to receive runoff from impervious areas at West Springfield High School, west of Rolling Road. Area will receive runoff from athletic fields. Primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. This area will create an ideal environment for filtration, biological uptake and microbial activity. This will treat the impervious runoff before entering the storm drain system. It will also reduce runoff rates. Not a very ideal area because will not receive much runoff from impervious areas.	Very little runoff; Minor benefit	$160,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-PC-0049	PC9530	BMP/LID	The project proposes a rain barrel/cistern at Burke Center School northeast of Lee Chapel Road southeast of Burke Lake Road. The primary indicators are high impervious areas directly connected to impervious area. This will capture, store and reuse runoff from the rooftop. The rain barrels can be used by students for hands-on educational programs.	Roof drains and roof overflows visible. WAG: Support these low-cost projects that improve water quality and educate students; Project would be great for demonstration and educational purposes.	#N/A
PC-SI-0004	PC9531	Suite of Projects			$120,000
PC-SI-0004	PC9531A	BMP/LID	This project proposes creating bioswales in the rear of a green roof at Terra Centre Elementary School. Primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. Runoff enters a closed system and outfalls directly into a nearby stormwater facility. The bioswales will reduce the pollutant loads and runoff into the system.	Receives runoff from recreation field. Has educational benefit.	$60,000
PC-SI-0004	PC9531B	BMP/LID	This project proposes creating bioswales in the rear of a green roof at Terra Centre Elementary School. Primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. Runoff enters a closed system and outfalls directly into a nearby stormwater facility. The bioswales will reduce the pollutant loads and runoff into the system.	Receives runoff from recreation field. Has educational benefit.	$60,000
PC-PC-0035	PC9532	BMP/LID	This project proposes the creation of bioretention landscaping features to receive runoff from impervious areas at West Springfield High School, west of Rolling Road. Area will receive runoff from large portions of parking lot and buildings. Primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. This area will create an ideal environment for filtration, biological uptake and microbial activity. This will treat the impervious runoff before entering the storm drain system. It will also reduce runoff rates.	Could be a high traffic area due to proximity to baseball/softball fields. Good demonstration and educational project.	$100,000
PC-SR-0026	PC9533	BMP/LID	This project proposes the incorporation of BMP inlet inserts to provide pollutant removal at Burke Lake Storage. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. Filtration will capture and treat stormwater from impervious areas before entering the storm drain system. This site is private and has a secure entrance.	Private - could not get permission to access. Small drainage area, therefore priority lowered.	$60,000
PC-SI-0003	PC9534	BMP/LID	Runoff from the parking lot at Giant Grocery Store is collected in a closed pipe system and discharged to stream behind the building to the east. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. Adding BMP inserts to this system will offer moderate pollutant removal. This method is ideal due to the high imperviousness and space constraints on the site.	WAG supports.	$130,000
PC-SI-0008	PC9535	BMP/LID	A series of curb inlets collect runoff from the Fairfax County Wastewater Collection Division and is conveyed in a closed system. Majority of the site outfalls into a pond on the north side of the site. However, a portion of the runoff is untreated. The primary indicators are pollutants, including phosphorus, nitrogen and total suspended solids. The proposed bioretention area will reduce runoff rates and treat runoff before discharging into woods.	The storm pipe would have to be rerouted to get runoff to area.	$130,000
PC-SI-0006	PC9536	Suite of Projects			$130,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-SI-0006	PC9536A	BMP/LID	This project proposes the creation of a bioretention landscaping feature to receive impervious runoff at Landings Community Center and Pool. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The bioretention area will create an ideal environment for filtration, biological uptake and microbial activity. It will also reduce runoff rates and recharge the groundwater.	Will capture some impervious sheet flow from tennis courts. Not in an ideal location.	$30,000
PC-SI-0006	PC9536B	BMP/LID	This project will receive runoff from the pool and community center areas. The indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The bioretention area will help with the filtration, biological uptake and microbial activity, providing pollutant removal and runoff reduction.	Will capture some impervious sheet flow from pool deck. Not in an ideal location.	$100,000
PC-PC-0040	PC9537	BMP/LID	This project proposes the creation of a bioretention landscaping feature to receive runoff from impervious areas near the VRE-Rolling Road Station. Primary indicators are pollutants such as nitrogen, phosphorous and total suspended solids. Bioretention will capture sheet flow from impervious areas and create an ideal environment for filtration, biological uptake and microbial activity. Location will not receive much impervious runoff, as the majority enters a closed system and outfalls to a nearby wooded area.	Not an ideal location	$80,000
PC-SI-0009	PC9538	BMP/LID	The project proposes a rain barrel/cistern at Fairview Elementary School. This will capture, store and reuse runoff from the rooftop. The primary indicators are high impervious areas directly connected to impervious area. The rain barrels can be used by students for hands-on educational programs.	Downspouts were observed therefore rain barrels can be used. WAG: Support these low-cost projects that improve water quality and educate students. Project would be great for demonstration and educational purposes.	#N/A
PC-SI-0011	PC9539	BMP/LID	Shopping center near the intersection of Burke Centre Parkway and Oak Green Way. The parking lot collects runoff from building and outfalls to stream along railroad tracks. A portion of the parking lot is conveyed in a closed system in the adjacent shopping center to the east and west and the remaining is conveyed by a closed system to a stream to the south. This project proposes incorporating BMP inlet insert or manufactured BMP filtration system to provide pollutant removal before outfalling into stream.	There is a significant amount of untreated impervious area.	$100,000
PC-SI-0010	PC9540	Suite of Projects			$180,000
PC-SI-0010	PC9540A	BMP/LID	This project proposes creating bioretention areas at Bonnie Brae Elementary School. The bioretention will capture runoff from impervious areas, promote infiltration, reduce runoff rates and have some pollutant treatment.	Selected area might not have a lot of impervious runoff. Runoff would have to piped to the proposed area.	$90,000
PC-SI-0010	PC9540B	BMP/LID	This project proposes creating bioretention areas at Bonnie Brae Elementary School. The bioretention will capture runoff from impervious areas, promote infiltration, reduce runoff rates and have some pollutant treatment.	Selected area might not have a lot of impervious runoff. Runoff would have to piped to the proposed area.	$90,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-SI-0012	PC9541	BMP/LID	The project proposes a rain barrel/cistern at Bonnie Brae Elementary School off Sideburn Road. The primary indicators are high impervious areas directly connected to impervious area. This will capture, store and reuse runoff from the rooftop. The rain barrels can be used by students for hands-on educational programs.	Roof drains and roof overflows visible. WAG: Support these low-cost projects that improve water quality and educate students; Project would be great for demonstration and educational purposes.	#N/A
PC-PC-0046	PC9542	Suite of Projects			$150,000
PC-PC-0046	PC9542A	BMP/LID	This project proposes installation of a bioswale to route runoff at Lake Braddock Secondary. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. Bioswales will capture sheet flow and create an ideal environment for filtration, biological uptake, and microbial activity, providing moderate pollutant removal. It will also reduce runoff volume and increase groundwater recharge. Area receives minimal runoff from impervious surfaces.	Bottom of slope very close to edge of field. May not have adequate space without significant impacts. WAG supports; Appears to be adequate space to provide these excellent demonstration and educational projects.	$70,000
PC-PC-0046	PC9542B	BMP/LID	This project proposes the creation of a bioretention landscaping feature at Lake Braddock Secondary School that will receive runoff from the tennis courts and part of the track. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The bioretention feature will create an ideal environment for filtration, biological uptake and microbial activity. Area would have minimal impacts and disturbances.	Flat area, good location with minimal impacts. WAG supports. Appears to be adequate space to provide these excellent demonstration and educational projects.	$80,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-PC-0051	PC9543	BMP/LID	This project proposes the replacement of existing pavement in parking stalls with pervious pavement or pavers at Lakeside Pool on Lake Braddock Drive. The site currently sheet flows into a wooded area and eventually into a large pond. The primary indicator is a large total impervious area. The pervious pavement will treat and reduce parking lot runoff using a semi-porous material that allows runoff to infiltrate then trap pollutants in the soil. It also promotes surface storage and a reduction in runoff volumes.	Runoff issues observed in parking area. WAG: The proposed restoration seems to be an appropriate solution. We have struggled with how to address the runoff from this parking area for some time. We would also note that this parking area occasionally receives heavy equipment (fire engines that test pumps, dump trucks or trash haulers accessing the adjacent maintenance yard, etc.) and any solution would need to be able to support the added weight of these types of vehicles.	$460,000
PC-PC-0053	PC9544	Suite of Projects			$80,000
PC-PC-0053	PC9544A	BMP/LID	This project proposes the installation of a bioswale at Lake Braddock Park at lower fields. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The bioswale will capture sheet flow and create and ideal environment for filtration, biological uptake and microbial activity, providing both pollutant removal and groundwater recharge.	Increase priority because there is significant amount of space for these improvements and will treat runoff from fields.	$30,000
PC-PC-0053	PC9544B	BMP/LID	This project proposes the installation of a bioswale at Lake Braddock Park at upper fields. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. The bioswale will capture sheet flow and create an ideal environment for filtration, biological uptake and microbial activity, providing both pollutant removal and groundwater recharge.	Increase priority because there is significant amount of space for these improvements and will treat runoff from fields.	$50,000
PC-PC-0052	PC9544C	BMP/LID	This project proposes the installation of a bioswale at Lake Braddock Park. The bioswale receives runoff from a large drainage area of the field. The primary indicators are nitrogen, phosphorous and total suspended solids. The bioswale will capture the sheet flow and create an ideal environment for filtration, biological uptake and microbial activity. Will reduce runoff volume and increase groundwater recharge. Drainage area does not include large impervious area.	Increase priority because there is significant amount of space for these improvements and will treat runoff from fields.	$40,000
PC-SI-0014	PC9545	BMP/LID	The parking lot of Sideburn Rec. Pool drains to the northwest. It then enters a closed system that conveys the runoff to the west and eventually outfalls into a wooded area. The indicators are pollutants including nitrogen, phosphorous and total suspended solids. This project proposes the incorporation of BMP inlet inserts or manufactured BMP filtration systems to provide pollutant removal before outfalling into stream.	N/A	$50,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-RA-0004	PC9546	Suite of Projects			$130,000
PC-RA-0004	PC9546A	BMP/LID	This project proposes the creation of bioretention landscaping west of the parking lot at Laurel Hill Elementary School. Primary indicators are pollutants, such as nitrogen, phosphorous and total suspended solids. The selected area is generally a low spot, however a large portion of the runoff will already be captured by a closed system before reaching the bioretention area. This area will create an ideal environment for filtration, biological uptake and microbial activity. It will also reduce the outflow to the storm system and promote ground water recharge.	Area selected is downstream of inlets so large portion of impervious runoff will be captured before reaching bioretention area. Curb and inlets would need to be removed to allow runoff to enter correctly.	$100,000
PC-RA-0004	PC9546B	BMP/LID	This project proposes the installation of a bioswale to route runoff at the Laurel Hill Center. Runoff comes from a blacktop, the building and fields. The primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. The proposed bioswale will capture sheet flow and help create an ideal environment for filtration, biological uptake and microbial activity. It will also help in reducing runoff volume and increase groundwater recharge.	N/A	$30,000
PC-RA-0005	PC9547	BMP/LID	This project proposes the creation of a bioretention landscaping feature at Robinson Secondary School. The area selected is higher than the impervious runoff. The primary indicators are pollutants, including nitrogen, phosphorous and total suspended solids. Bioretention landscaping will create an ideal environment for filtration, biological uptake and microbial activity. It will also reduce outfall to the storm sewer system and recharge groundwater.	Proposed bioretention area will have minimal impervious runoff because it is at a higher elevation than most of previously uncaptured impervious areas.	$250,000
PC-RA-0006	PC9548	BMP/LID	This project proposes the incorporation of BMP inlet inserts or manufactured BMP filtration systems to provide pollutant removal at Twinbrooke Shopping Centre, southwest of Braddock Road. The primary indicators are pollutants including nitrogen, phosphorous and total suspended solids. Filtration will capture and treat stormwater runoff from highly impervious areas prior to entering the storm drain system.	Could have impacts due to proximity of recreation fields.	$130,000
PC-RA-0005	PC9549	BMP/LID	This project proposes the replacement of existing pavement in parking stalls with pervious pavement or pavers at Robinson Secondary School. The primary indicator is large total impervious area. The pervious pavement will treat and reduce parking lot runoff using a semi-porous material that allows runoff to infiltrate then trap pollutants in the soil. It also promotes surface storage and a reduction in runoff volumes.	WAG concerned about maintenance since project is at a school. Pervious pavement is all parking stalls is likely cost prohibitive. Recommend placement in approximately 10% of stalls. This will reduce the benefit.	$5,790,000
PC-SI-0015	PC9550	Suite of Projects			$200,000
PC-SI-0015	PC9550A	BMP/LID	This project proposes the creation of a bioretention landscaping feature to receive runoff from impervious areas at Oak View Elementary School. The impervious areas come from a blacktop and the roof of the school. The primary indicators are pollutants, including nitrogen, phosphorous and suspended solids. The bioretention area will create an ideal environment for filtration, biological uptake and microbial activity. It will help reduce the outflow to the storm sewer and recharge the ground water.	N/A	$100,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-SI-0015	PC9550B	BMP/LID	This project proposes the creation of a bioretention landscaping feature to receive runoff from impervious areas at Oak View Elementary School. The primary indicators are pollutants, including nitrogen, phosphorous and suspended solids. The bioretention area will create an ideal environment for filtration, biological uptake and microbial activity. It will help reduce the flow to the storm sewer and recharge the ground water.	Will not receive very much impervious runoff.	$100,000
PC-SI-0015	PC9551	BMP/LID	The project proposes a rain barrel/cistern at Oak View Elementary School off Sideburn Road. The primary indicators are high impervious areas connected to impervious area. This will capture, store and reuse runoff from the rooftop. The rain barrels can be used by students for hands-on educational programs.	No visible roof drains. Project would require construction of underground cistern- very expensive.	#N/A
PC-RA-0012	PC9552	BMP/LID	This project proposes a bioswale on the campus of George Mason University along Patriot Circle and President's Park Drive. The bioswale will capture runoff from several buildings and adjoining impervious areas. The primary indicators are pollutants such as nitrogen, phosphorous and total suspended solids. The bioswale will create an ideal environment for filtration, biological uptake and microbial activity. It will also reduce runoff and increase groundwater recharge.	Bioswale along roadway will capture runoff from buildings and sidewalks, providing pollutant removal. Good project with benefits.	$20,000
PC-RA-0012	PC9553	BMP/LID	This project proposes retrofitting existing roof of parking garage at George Mason University at the intersection of Patriot Circle and Sandy Creek Way with extensive green roof. The primary indicators are pollutants, including nitrogen and phosphorous. Green roofs will store, treat and reduce the runoff volume using vegetation and soil. It offers an option for pollutant removal in areas that are completely built out.	Garage roof did not appear to be in use. Appears to directly discharge into the stream. This would provide treatment and some runoff reduction before discharge. Although beneficial, would be very expensive.	$4,140,000
PC-RA-0011	PC9554	BMP/LID	This project proposes retrofitting existing roof of parking garage at George Mason University between Mason Pond Drive and George Mason Boulevard with extensive vegetative cover. The primary indicators are pollutants, including nitrogen and phosphorous. Green roofs will store, treat and reduce the runoff volume using vegetation and soil. It offers an option for pollutant removal in areas that are completely built out.	Garage roof did not appear to be in use. Appears to directly discharge into the stream. This would provide treatment and some runoff reduction before discharge.	$2,960,000
PC-PC-0013	PC9700	Outfall Improvement	This project proposes construction of a new storage and treatment area below the outfall at the Lorton Station Elementary School. The improvement will include an energy dissipation device and wetland plantings. The indicators were instream sediment and condition of the wetland habitat. Outfall storage will reduce erosive velocities and sediment loads at the outfalls, improving downstream habitats.	Stream appears to be dry, stone covered bed.	$90,000
PC-PC-0019	PC9701	Outfall Improvement	This project proposes the reconstruction of an outfall west of Milford Haven Drive to remove concrete channel and replace with naturalized stream including energy dissipation device. The outfall reconstruction will reduce erosive velocities and sediment loads at the outfalls, protecting downstream channels.	This is lower priority because there is a stormwater pond upstream that is providing treatment.	$150,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-SI-0009	PC9702	Outfall Improvement	Bioswale proposed in the fields behind Fairview Elementary School. Swale discharges into stream adjacent to school. The proposed bioswale will reduce flow velocities and increase capacity, while promoting infiltration and providing water quality treatment and protecting downstream channels.	Drainage area is fields. WAG: Support these low-cost projects that improve water quality and educate students	$80,000
PC-SI-0001	PC9703	Outfall Improvement	Open space east of shopping center and west of power company facility along Guinea Road. Construct an energy dissipation device at the outfall.	Limited space due to heavy vegetation.	$560,000
PC-PC-0046	PC9704	Outfall Improvement	This project proposes the construction of a new storage and treatment area below the outfall of a closed system from Lake Braddock Drive. The improvement will include an energy dissipation device and wetland plantings. The primary indicators include instream sediment. Outfall storage will reduce erosive velocities and sediment loads at the outfall and improve downstream habitats.	N/A	$540,000
PC-SI-0011	PC9705	Outfall Improvement	This project proposes a new storage and treatment area below the outfall from pond 0233DP and closed system along John Ayres Dr. Primary indicators are stream bank buffer deficiency in headwater riparian habitat. The storage area would reduce velocities of runoff entering stream and help to minimize erosion.	N/A	$540,000
PC-PC-0012	PC9800	Street Sweeping Program	This project proposes a street sweeping program west of Lorton Marketplace Shopping Center to help reduce the amount of potential pollutants from entering the nearby streams and storm systems. The area is approximately 10 acres and is comprised of dense residential development. There is no existing stormwater quality treatment.	Debris in street.	#N/A
PC-PC-0013	PC9801	Street Sweeping Program	This project proposes a street sweeping program in the Lorton Station development west of Lorton Station Blvd. to help reduce the amount of potential pollutants from entering the nearby streams and storm systems. The area is approximately 25 acres and is comprised of dense residential development. There is no existing stormwater quality treatment.	Sediment gathered in gutters.	#N/A
PC-SL-0001	PC9802	Suite of Projects		N/A	$20,000
PC-SL-0001	PC9802A	Dumpsite/ Obstruction Removal	A stream north of Sego Lily Court has an apparent obstruction. The indicators are flood complaints and field verification. This project proposes the removal of the obstruction. This will help restore the functions of the stream and alleviate flooding issues. There is another obstruction (PC9801) upstream of this location.	N/A	$10,000
PC-SL-0001	PC9802B	Dumpsite/ Obstruction Removal	A stream north of Sego Lily Court has an apparent obstruction. The indicators are flood complaints and field verification. This project proposes the removal of the obstruction. This will help restore the functions of the stream and alleviate flooding issues. There is another obstruction (PC9800) downstream of this location.	N/A	$10,000
PC-SR-0018	PC9803	Buffer Restoration	Project proposes to re-plant stream buffer south of Lake Mercer and west of Jeffrey Court. Re-planting the buffer will re-establish the RPA. The main indicators are stream bank buffer deficiency and headwater riparian habitat. Increased vegetation from buffer repair will provide additional stream buffer for filtration of pollutants and will reduce runoff by intercepting the water, thereby increasing surface storage and infiltration.	N/A	$380,000
PC-PC-0025	PC9804	Dumpsite/ Obstruction Removal	Obstruction southeast of Ships Curve Lane. Primary indicators are flood complaints and have been field verified. This project proposes the removal of obstructions blocking the stream channel to restore natural conditions. The removal of such obstructions will help restore the function of the stream.	N/A	$10,000

Site Code	PRJ_ID_LEG	PRJ_TYPE	Detailed Description	Project Ranking Comments	Project Cost
PC-SR-0014	PC9805	Dumpsite/ Obstruction Removal	Portion of stream west (upstream) of culvert under Lee Chapel Road and north of Stony Creek Court had flood complaints and field verification indicated trash and debris obstructions. This project proposes the cleanup of trash in or near the stream channel to help reduce the amount of pollutants from entering adjacent streams and storm systems. The cleanup will help restore the function of the stream.	N/A	#N/A
PC-SR-0014	PC9806	Dumpsite/ Obstruction Removal	This project proposes an obstruction removal in the stream south of Rambling Ridge Road and Wilderness Way. Obstruction was verified during field verification. The removal will restore the stream to its natural conditions and help restore the function of the stream.	WAG does not believe this project is necessary.	$10,000
PC-MR-0004	PC9807	Buffer Restoration	Buffer area has deficiencies at the entrance to a wooded area upstream of a culvert on the north side of Shadowlake Way. This project proposes replanting to reestablish the RPA. Increased vegetation from buffer repair will provide additional filtration and reduce runoff by intercepting the water, thereby increasing surface storage and infiltration.	Steep slopes causing erosion. Planting will help reduce observed erosion.	$70,000
PC-MR-0002	PC9808	Dumpsite/ Obstruction Removal	Obstruction between north and southbound overpasses on the Fairfax County Parkway, west of Wild Spruce Drive. Primary indicator is flood complains, with field verification. This project proposes to remove the obstructions and restore the stream channel to its natural conditions. This will also improve the function of the stream.	N/A	$10,000
PC-MR-0004	PC9809	Buffer Restoration	Project proposes to re-plant stream buffer west of Sea Brook Lane in order to re-establish the RPA. The primary indicators are stream bank buffer deficiency and headwater riparian habitat. Increased vegetation from buffer repair will provide additional stream buffer for filtration of pollutants and will reduce runoff by intercepting the water, thereby increasing surface storage and filtration. Stream receives direct runoff from untreated sources so the buffer is an important feature for water quality and quantity.	N/A	$500,000
PC-MR-0004	PC9810	Suite of Projects			$20,000
PC-MR-0004	PC9810A	Dumpsite/ Obstruction Removal	Obstruction in stream south of Gutman Court, west of Sea Brook Lane. This project proposes the removal of obstruction blocking the stream channel to restore natural conditions. The primary indicator is flood complaints and it has been field verified. Removal of the obstruction will help restore the natural shape and function of the stream.	N/A	$10,000
PC-CY-0001	PC9810B	Dumpsite/ Obstruction Removal	Erosion in stream behind Cottontail Swim and Racquet Club has caused trees and other natural debris to build up in stream causing potential damming. This project proposes the removal of obstructions to restore natural conditions. This will help restore the function of the stream.	Erosion has caused trees and other natural debris to build up in stream, potentially causing damming.	$10,000
PC-PC-0039	PC9811	Dumpsite/ Obstruction Removal	Stream north of Rathlin Drive has obstruction. Primary indicators are flood complains and it has been field verified. This project proposes removal of obstructions blocking the stream channel to restore natural conditions. Removal of obstruction will help restore nature shape and function of the stream.	N/A	$10,000
PC-PC-0037	PC9812	Buffer Restoration	Stream buffer northwest of Lee-Brooke Place has deficiencies in headwater riparian habitat. This project proposes re-planting buffer to re-establish RPA. Increased vegetation from buffer repair will provide additional stream buffer for filtration of pollutants and will reduce runoff by intercepting the water thereby increasing surface storage and infiltration.	N/A	$90,000
PC-PC-0037	PC9813	Buffer Restoration	Stream northwest of Beatrice Court had indications of stream bank buffer deficiency in headwater riparian habitat. Runoff comes from adjacent neighborhoods both by sheet flow and through a closed system. This project proposes re-planting a stream buffer to re-establish the RPA. Increased vegetation from buffer repair will provide additional stream buffer for filtration of pollutants and will reduce runoff by intercepting the water, thereby increasing surface storage and infiltration.	Buffer appears to be well maintained and in good condition.	$190,000

Appendix D: Summary of Impact Indicators

Appendix D: Summary of Impact Indicator Scoring

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Channel Morph.	Instream Sediment	Hydrology	Prot. RPA Riparian	Prot. Headwater Riparian	Prot. Wetland	Prot. Forrest Habitat.	TSS	TN	TP	# of Scored Indicators Score	Sum	Score
PC9001	Suite of Projects	PC-SR-0024	2	4	4	4	3	5	0	5	5	5	5	42	4.20
PC9001A	Stormwater Pond Retrofit	PC-SR-0024	-	-	4	-	-	-	-	4	5	5	1	19	3.80
PC9001B	Stream Restoration	PC-SR-0024	2	4	4	4	3	5	-	5	-	5	4	36	4.00
PC9003	Stormwater Pond Retrofit	PC-SR-0022	-	-	4	-	-	-	-	3	4	4	1	16	3.20
PC9004	Suite of Projects	PC-SR-0020	4	4	3	3	4	4	-	5	-	5	4	36	4.00
PC9004A	Stream Restoration	PC-SR-0020	4	4	3	3	4	4	-	5	-	5	4	36	4.00
PC9007	Stormwater Pond Retrofit	PC-SR-0020	-	-	3	-	-	-	-	3	5	4	1	16	3.20
PC9008	Stormwater Pond Retrofit	PC-SR-0026	-	-	5	-	-	-	-	4	5	5	1	20	4.00
PC9100	Stormwater Pond Retrofit	PC-PC-0007	-	-	5	-	-	-	-	3	4	3	1	16	3.20
PC9101	Stormwater Pond Retrofit	PC-PC-0012	-	-	5	-	-	-	-	3	4	3	1	16	3.20
PC9102	Stormwater Pond Retrofit	PC-PC-0009	-	-	5	-	-	-	-	4	5	4	1	19	3.80
PC9103	Stormwater Pond Retrofit	PC-PC-0009	-	-	5	-	-	-	-	4	4	3	1	17	3.40
PC9104	Stormwater Pond Retrofit	PC-PC-0009	-	-	5	-	-	-	-	3	4	3	1	16	3.20
PC9105	Stormwater Pond Retrofit	PC-PC-0019	-	-	5	-	-	-	-	4	5	4	1	19	3.80
PC9106	Stormwater Pond Retrofit	PC-SL-0002	-	-	5	-	-	-	-	4	5	5	1	20	4.00
PC9107	Stormwater Pond Retrofit	PC-PC-0021	-	-	4	-	-	-	-	2	3	2	1	12	2.40
PC9108	Stormwater Pond Retrofit	PC-SR-0018	-	-	3	-	-	-	-	2	3	2	1	11	2.20
PC9109	Stormwater Pond Retrofit	PC-MR-0002	-	-	4	-	-	-	-	2	3	2	1	12	2.40
PC9110	Stormwater Pond Retrofit	PC-SR-0013	-	-	1	-	-	-	-	3	5	4	1	14	2.80
PC9111	Stormwater Pond Retrofit	PC-PC-0026	-	-	4	-	-	-	-	1	1	1	1	8	1.60
PC9112	Stormwater Pond Retrofit	PC-MR-0004	-	-	4	-	-	-	-	3	4	3	1	15	3.00
PC9113	Stormwater Pond Retrofit	PC-PC-0026	-	-	4	-	-	-	-	1	2	1	1	9	1.80
PC9114	Stormwater Pond Retrofit	PC-PR-0001	-	-	1	-	-	-	-	3	4	3	1	12	2.40
PC9115	Stormwater Pond Retrofit	PC-PC-0026	-	-	4	-	-	-	-	3	4	3	1	15	3.00
PC9116	Stormwater Pond Retrofit	PC-PC-0026	-	-	4	-	-	-	-	3	4	3	1	15	3.00
PC9117	Stormwater Pond Retrofit	PC-PC-0026	-	-	4	-	-	-	-	3	4	3	1	15	3.00
PC9118	Stormwater Pond Retrofit	PC-SB-0001	-	-	1	-	-	-	-	4	4	4	1	14	2.80
PC9119	Stormwater Pond Retrofit	PC-PC-0028	-	-	4	-	-	-	-	3	5	5	1	18	3.60
PC9120	Stormwater Pond Retrofit	PC-PR-0002	-	-	1	-	-	-	-	4	4	4	1	14	2.80
PC9121	Stormwater Pond Retrofit	PC-SR-0020	-	-	3	-	-	-	-	3	5	5	1	17	3.40
PC9122	Stormwater Pond Retrofit	PC-PC-0034	-	-	1	-	-	-	-	4	5	5	1	16	3.20
PC9123	Stormwater Pond Retrofit	PC-CY-0002	-	-	3	-	-	-	-	2	2	2	1	10	2.00
PC9124	Stormwater Pond Retrofit	PC-OS-0001	-	-	2	-	-	-	-	3	5	4	1	15	3.00
PC9125	Stormwater Pond Retrofit	PC-PC-0050	-	-	3	-	-	-	-	1	1	1	1	7	1.40
PC9126	Stormwater Pond Retrofit	PC-PC-0044	-	-	2	-	-	-	-	2	4	3	1	12	2.40
PC9127	Stormwater Pond Retrofit	PC-SI-0004	-	-	1	-	-	-	-	5	5	5	1	17	3.40
PC9128	Stormwater Pond Retrofit	PC-SI-0006	-	-	1	-	-	-	-	3	5	4	1	14	2.80
PC9129	Stormwater Pond Retrofit	PC-SI-0008	-	-	2	-	-	-	-	1	1	1	1	6	1.20
PC9130	Stormwater Pond Retrofit	PC-SI-0001	-	-	4	-	-	-	-	3	5	4	1	17	3.40
PC9131	Stormwater Pond Retrofit	PC-SI-0001	-	-	4	-	-	-	-	4	5	5	1	19	3.80
PC9132	Stormwater Pond Retrofit	PC-PC-0055	-	-	4	-	-	-	-	3	5	4	1	17	3.40
PC9133	Stormwater Pond Retrofit	PC-PC-0046	-	-	2	-	-	-	-	2	3	2	1	10	2.00
PC9134	Stormwater Pond Retrofit	PC-SI-0015	-	-	1	-	-	-	-	2	4	3	1	11	2.20
PC9135	Stormwater Pond Retrofit	PC-RA-0005	-	-	1	-	-	-	-	5	5	5	1	17	3.40

Appendix D: Summary of Impact Indicator Scoring

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Channel Morph.	Instream Sediment	Hydrology	Prot. RPA Riparian	Prot. Headwater Riparian	Prot. Wetland	Prot. Forrest Habitat.	TSS	TN	TP	# of Scored Indicators Score	Sum	Score
PC9136	Stormwater Pond Retrofit	PC-PC-0054	-	-	1	-	-	-	-	3	4	3	1	12	2.40
PC9137	Stormwater Pond Retrofit	PC-RA-0006	-	-	3	-	-	-	-	2	4	3	1	13	2.60
PC9138	Stormwater Pond Retrofit	PC-RA-0010	-	-	2	-	-	-	-	1	2	1	1	7	1.40
PC9139	Stormwater Pond Retrofit	PC-SI-0016	-	-	3	-	-	-	-	1	1	1	1	7	1.40
PC9140	Stormwater Pond Retrofit	PC-RA-0011	-	-	2	-	-	-	-	5	5	5	1	18	3.60
PC9200	Stream Restoration	PC-PC-0020	4	3	5	1	5	4	-	4	-	4	4	34	3.78
PC9201	Stream Restoration	PC-PC-0021	3	4	4	2	4	4	-	5	-	5	4	35	3.89
PC9202	Suite of Projects	PC-SR-0007	4	4	3	3	4	4	-	5	-	5	4	36	4.00
PC9202A	Stream Restoration	PC-SR-0007	4	3	3	4	4	5	-	5	-	4	4	36	4.00
PC9203	Stream Restoration	PC-PC-0023	4	4	3	5	5	5	-	5	-	4	4	39	4.33
PC9204	Stream Restoration	PC-SR-0007	4	4	3	4	4	5	-	3	-	3	4	34	3.78
PC9205	Stream Restoration	PC-PC-0023	4	4	3	5	5	5	-	4	-	3	4	37	4.11
PC9206	Stream Restoration	PC-PC-0023	4	4	3	5	5	5	-	4	-	3	4	37	4.11
PC9207	Stream Restoration	PC-SR-0010	4	4	4	3	4	4	-	4	-	4	4	35	3.89
PC9208	Stream Restoration	PC-SR-0018	4	4	3	2	3	4	-	4	-	2	4	30	3.33
PC9209	Stream Restoration	PC-PC-0025	4	4	4	3	4	4	-	4	-	3	4	34	3.78
PC9210	Stream Restoration	PC-SR-0013	4	4	1	3	3	4	-	5	-	5	4	33	3.67
PC9211	Suite of Projects	PC-PC-0025	4	4	4	3	4	4	-	4	-	3	4	34	3.78
PC9211A	Stream Restoration	PC-PC-0025	4	4	4	3	4	4	-	4	-	3	4	34	3.78
PC9212	Stream Restoration	PC-SR-0015	4	4	1	4	4	4	-	5	-	5	4	35	3.89
PC9213	Stream Restoration	PC-PC-0026	4	3	4	2	4	4	-	4	-	3	4	32	3.56
PC9214	Stream Restoration	PC-MR-0005	4	3	2	2	4	4	-	4	-	4	4	31	3.44
PC9215	Stream Restoration	PC-MR-0005	4	3	2	2	4	4	-	3	-	2	4	28	3.11
PC9216	Stream Restoration	PC-PC-0027	4	4	4	2	4	4	-	4	-	4	4	34	3.78
PC9217	Stream Restoration	PC-PC-0027	4	4	4	2	4	4	-	2	-	2	4	30	3.33
PC9218	Stream Restoration	PC-PC-0027	4	4	4	2	4	4	-	4	-	4	4	34	3.78
PC9219	Stream Restoration	PC-SR-0017	4	4	3	3	1	3	-	4	-	4	4	30	3.33
PC9220	Stream Restoration	PC-SR-0023	4	4	5	3	3	4	-	5	-	5	4	37	4.11
PC9221	Stream Restoration	PC-SR-0020	4	4	3	3	4	4	-	4	-	4	4	34	3.78
PC9222	Stream Restoration	PC-PC-0033	4	4	2	4	4	5	-	5	-	5	4	37	4.11
PC9223	Stream Restoration	PC-SR-0022	4	4	4	5	4	4	-	5	-	4	4	38	4.22
PC9224	Stream Restoration	PC-SR-0023	4	4	5	3	3	4	-	3	-	3	4	33	3.67
PC9225	Stream Restoration	PC-PC-0036	4	4	1	2	5	4	-	5	-	5	4	34	3.78
PC9226	Stream Restoration	PC-PC-0035	4	4	5	4	4	5	-	5	-	5	4	40	4.44
PC9227	Stream Restoration	PC-PC-0044	4	4	2	3	4	4	-	3	-	2	4	30	3.33
PC9228	Suite of Projects	PC-PC-0044	4	4	2	3	4	4	-	5	-	5	4	36	4.00
PC9228A	Stream Restoration	PC-PC-0044	4	4	2	3	4	4	-	5	-	5	4	35	3.89
PC9229	Stream Restoration	PC-PC-0037	4	4	3	3	5	4	-	5	-	5	4	37	4.11
PC9230	Stream Restoration	PC-PC-0050	4	4	3	2	4	4	-	4	-	4	4	33	3.67
PC9231	Stream Restoration	PC-PC-0037	4	4	3	3	5	4	-	3	-	2	4	32	3.56
PC9232	Stream Restoration	PC-PC-0049	4	4	5	3	4	4	-	5	-	5	4	38	4.22
PC9233	Stream Restoration	PC-PC-0045	4	4	4	2	4	4	-	5	-	5	4	36	4.00
PC9234	Stream Restoration	PC-PC-0049	4	4	5	3	4	4	-	5	-	5	4	38	4.22
PC9235	Stream Restoration	PC-PC-0041	4	4	3	3	4	4	-	3	-	3	4	32	3.56

Appendix D: Summary of Impact Indicator Scoring

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Channel Morph.	Instream Sediment	Hydrology	Prot. RPA Riparian	Prot. Headwater Riparian	Prot. Wetland	Prot. Forrest Habitat.	TSS	TN	TP	# of Scored Indicators Score	Sum	Score
PC9236	Stream Restoration	PC-SI-0008	4	4	2	3	4	5	-	3	-	3	4	32	3.56
PC9237	Stream Restoration	PC-SI-0007	4	4	2	2	4	4	-	5	-	4	4	33	3.67
PC9238	Stream Restoration	PC-SI-0007	4	4	2	2	4	4	-	3	-	2	4	29	3.22
PC9239	Stream Restoration	PC-SI-0007	4	4	2	2	4	4	-	3	-	3	4	30	3.33
PC9240	Stream Restoration	PC-SI-0009	4	4	3	2	4	5	-	5	-	5	4	36	4.00
PC9241	Stream Restoration	PC-SI-0009	4	4	3	2	4	5	-	5	-	5	4	36	4.00
PC9242	Stream Restoration	PC-PC-0049	4	4	5	3	4	4	-	4	-	5	4	37	4.11
PC9243	Stream Restoration	PC-SI-0005	4	4	2	1	5	4	-	4	-	4	4	32	3.56
PC9244	Stream Restoration	PC-PC-0048	4	4	5	2	5	4	-	4	-	2	4	34	3.78
PC9245	Stream Restoration	PC-PC-0042	4	4	5	1	5	4	-	5	-	4	4	36	4.00
PC9246	Stream Restoration	PC-SI-0005	4	4	2	1	5	4	-	4	-	5	4	33	3.67
PC9247	Suite of Projects	PC-SI-0005	4	4	3	2	5	4	0	5	0	5	4	36	4.00
PC9247A	Stream Restoration	PC-SI-0005	4	4	2	1	5	4	-	4	-	4	4	32	3.56
PC9248	Stream Restoration	PC-RA-0001	4	4	3	2	4	4	-	5	-	5	4	35	3.89
PC9249	Stream Restoration	PC-PC-0046	4	5	2	2	4	4	-	5	-	5	4	35	3.89
PC9250	Stream Restoration	PC-SI-0010	4	4	5	1	5	4	-	5	-	5	4	37	4.11
PC9251	Stream Restoration	PC-PC-0053	4	4	5	3	4	4	-	4	-	4	4	36	4.00
PC9252	Stream Restoration	PC-PC-0052	4	3	5	4	4	4	-	4	-	4	4	36	4.00
PC9253	Stream Restoration	PC-PC-0052	4	3	5	4	4	4	-	3	-	2	4	33	3.67
PC9254	Stream Restoration	PC-SI-0013	4	5	3	2	4	4	-	5	-	5	4	36	4.00
PC9255	Stream Restoration	PC-PC-0053	4	4	5	3	4	4	-	4	-	3	4	35	3.89
PC9256	Stream Restoration	PC-RA-0004	4	4	1	5	4	4	-	5	-	5	4	36	4.00
PC9257	Stream Restoration	PC-PC-0054	4	4	1	5	3	5	-	5	-	4	4	35	3.89
PC9258	Stream Restoration	PC-PC-0054	4	4	1	5	3	5	-	4	-	3	4	33	3.67
PC9259	Stream Restoration	PC-RA-0005	4	4	1	5	5	5	-	5	-	4	4	37	4.11
PC9260	Stream Restoration	PC-RA-0006	4	4	3	1	5	4	-	5	-	4	4	34	3.78
PC9261	Stream Restoration	PC-SI-0015	4	5	1	2	4	5	-	4	-	3	4	32	3.56
PC9262	Stream Restoration	PC-SI-0015	4	5	1	2	4	5	-	5	-	5	4	35	3.89
PC9263	Stream Restoration	PC-RA-0008	4	4	5	3	4	4	-	5	-	5	4	38	4.22
PC9264	Stream Restoration	PC-SI-0016	4	5	3	5	5	5	-	4	-	3	4	38	4.22
PC9265	Stream Restoration	PC-RA-0010	4	4	2	1	4	4	-	5	-	5	4	33	3.67
PC9266	Stream Restoration	PC-RA-0009	4	4	2	2	3	4	-	4	-	4	4	31	3.44
PC9267	Stream Restoration	PC-RA-0009	4	4	2	2	3	4	-	3	-	3	4	29	3.22
PC9268	Stream Restoration	PC-RA-0013	4	4	2	1	4	4	-	5	-	5	4	33	3.67
PC9269	Stream Restoration	PC-RA-0014	4	4	1	4	4	5	-	5	-	4	4	35	3.89
PC9500	BMP/LID	PC-PC-0007	-	-	5	-	-	-	-	2	2	1	1	11	2.20
PC9501	BMP/LID	PC-PC-0007	-	-	5	-	-	-	-	4	5	5	1	20	4.00
PC9502	BMP/LID	PC-PC-0012	-	-	5	-	-	-	-	2	2	2	1	12	2.40
PC9503	BMP/LID	PC-PC-0013	-	-	5	-	-	-	-	1	1	1	1	9	1.80
PC9504	BMP/LID	PC-PC-0012	-	-	5	-	-	-	-	1	1	1	1	9	1.80
PC9505	BMP/LID	PC-PC-0013	-	-	5	-	-	-	-	1	1	1	1	9	1.80
PC9506	BMP/LID	PC-SL-0001	-	-	5	-	-	-	-	2	2	1	1	11	2.20
PC9507	BMP/LID	PC-PC-0021	-	-	4	-	-	-	-	2	2	2	1	11	2.20
PC9508	Suite of Projects	PC-SR-0005	0	0	3	0	0	0	0	2	2	1	1	9	1.80

Appendix D: Summary of Impact Indicator Scoring

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Channel Morph.	Instream Sediment	Hydrology	Prot. RPA Riparian	Prot. Headwater Riparian	Prot. Wetland	Prot. Forrest Habitat.	TSS	TN	TP	# of Scored Indicators Score	Sum	Score
PC9508A	BMP/LID	PC-SR-0005	-	-	3	-	-	-	-	2	2	1	1	9	1.80
PC9508B	BMP/LID	PC-SR-0006	-	-	3	-	-	-	-	1	1	1	1	7	1.40
PC9509	BMP/LID	PC-SR-0004	-	-	2	-	-	-	-	2	3	2	1	10	2.00
PC9510	Suite of Projects	PC-SR-0011	0	4	4	0	0	0	0	3	3	3	2	19	3.17
PC9510A	BMP/LID	PC-SR-0011	-	-	4	-	-	-	-	1	1	1	1	8	1.60
PC9510B	Outfall Improvement	PC-SR-0012	-	4	3	-	-	-	-	3	3	3	2	18	3.00
PC9511	BMP/LID	PC-MR-0005	-	-	2	-	-	-	-	3	4	3	1	13	2.60
PC9512	BMP/LID	PC-PR-0001	-	-	1	-	-	-	-	2	2	2	1	8	1.60
PC9513	BMP/LID	PC-PC-0028	-	-	4	-	-	-	-	1	2	1	1	9	1.80
PC9514	BMP/LID	PC-PC-0028	-	-	4	-	-	-	-	1	3	2	1	11	2.20
PC9515	Suite of Projects	PC-MR-0006	0	0	1	0	0	0	0	2	3	2	1	9	1.80
PC9515A	BMP/LID	PC-MR-0006	-	-	1	-	-	-	-	2	3	2	1	9	1.80
PC9515B	BMP/LID	PC-MR-0006	-	-	1	-	-	-	-	2	3	2	1	9	1.80
PC9516	BMP/LID	PC-PC-0033	-	-	2	-	-	-	-	2	3	2	1	10	2.00
PC9517	Suite of Projects	PC-PR-0002	0	0	3	0	0	0	0	2	3	2	1	11	2.20
PC9517A	BMP/LID	PC-PR-0002	-	-	1	-	-	-	-	1	1	1	1	5	1.00
PC9517B	BMP/LID	PC-CY-0003	-	-	3	-	-	-	-	2	2	1	1	9	1.80
PC9518	BMP/LID	PC-PR-0002	-	-	1	-	-	-	-	2	3	3	1	10	2.00
PC9519	Suite of Projects	PC-PC-0028	0	0	4	0	0	0	0	1	3	2	1	11	2.20
PC9519A	BMP/LID	PC-PC-0028	-	-	4	-	-	-	-	1	1	1	1	8	1.60
PC9519B	BMP/LID	PC-PC-0028	-	-	4	-	-	-	-	1	3	2	1	11	2.20
PC9520	BMP/LID	PC-PC-0029	-	-	4	-	-	-	-	1	3	2	1	11	2.20
PC9521	BMP/LID	PC-PC-0029	-	-	4	-	-	-	-	1	2	2	1	10	2.00
PC9522	BMP/LID	PC-PC-0031	-	-	4	-	-	-	-	1	1	1	1	8	1.60
PC9523	BMP/LID	PC-CY-0002	-	-	3	-	-	-	-	2	1	1	1	8	1.60
PC9524	BMP/LID	PC-CY-0003	-	-	3	-	-	-	-	2	3	2	1	11	2.20
PC9525	BMP/LID	PC-PC-0039	-	-	1	-	-	-	-	4	5	5	1	16	3.20
PC9526	BMP/LID	PC-OS-0001	-	-	2	-	-	-	-	1	2	1	1	7	1.40
PC9527	BMP/LID	PC-PC-0044	-	-	2	-	-	-	-	1	3	2	1	9	1.80
PC9528	BMP/LID	PC-PC-0049	-	-	5	-	-	-	-	1	2	2	1	11	2.20
PC9529	BMP/LID	PC-PC-0035	-	-	5	-	-	-	-	2	2	1	1	11	2.20
PC9530	BMP/LID	PC-PC-0049	-	-	5	-	-	-	-	1	2	1	1	10	2.00
PC9531	Suite of Projects	PC-SI-0004	0	0	1	0	0	0	0	3	4	4	1	13	2.60
PC9531A	BMP/LID	PC-SI-0004	-	-	1	-	-	-	-	3	4	3	1	12	2.40
PC9531B	BMP/LID	PC-SI-0004	-	-	1	-	-	-	-	3	4	3	1	12	2.40
PC9532	BMP/LID	PC-PC-0035	-	-	5	-	-	-	-	1	1	1	1	9	1.80
PC9533	BMP/LID	PC-SR-0026	-	-	5	-	-	-	-	3	3	2	1	14	2.80
PC9534	BMP/LID	PC-SI-0003	-	-	1	-	-	-	-	3	5	4	1	14	2.80
PC9535	BMP/LID	PC-SI-0008	-	-	2	-	-	-	-	2	3	2	1	10	2.00
PC9536	Suite of Projects	PC-SI-0006	0	0	1	0	0	0	0	1	1	1	1	5	1.00
PC9536A	BMP/LID	PC-SI-0006	-	-	1	-	-	-	-	1	1	1	1	5	1.00
PC9536B	BMP/LID	PC-SI-0006	-	-	1	-	-	-	-	1	1	1	1	5	1.00
PC9537	BMP/LID	PC-PC-0040	-	-	3	-	-	-	-	1	2	1	1	8	1.60
PC9538	BMP/LID	PC-SI-0009	-	-	3	-	-	-	-	2	2	2	1	10	2.00

Appendix D: Summary of Impact Indicator Scoring

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Channel Morph.	Instream Sediment	Hydrology	Prot. RPA Riparian	Prot. Headwater Riparian	Prot. Wetland	Prot. Forrest Habitat.	TSS	TN	TP	# of Scored Indicators Score	Sum	Score
PC9539	BMP/LID	PC-SI-0011	-	-	2	-	-	-	-	3	5	4	1	15	3.00
PC9540	Suite of Projects	PC-SI-0010	0	0	5	0	0	0	0	1	1	1	1	9	1.80
PC9540A	BMP/LID	PC-SI-0010	-	-	5	-	-	-	-	1	1	1	1	9	1.80
PC9540B	BMP/LID	PC-SI-0010	-	-	5	-	-	-	-	1	1	1	1	9	1.80
PC9541	BMP/LID	PC-SI-0012	-	-	2	-	-	-	-	2	3	2	1	10	2.00
PC9542	Suite of Projects	PC-PC-0046	0	0	2	0	0	0	0	1	1	1	1	6	1.20
PC9542A	BMP/LID	PC-PC-0046	-	-	2	-	-	-	-	1	1	1	1	6	1.20
PC9542B	BMP/LID	PC-PC-0046	-	-	2	-	-	-	-	1	1	1	1	6	1.20
PC9543	BMP/LID	PC-PC-0051	-	-	5	-	-	-	-	1	2	1	1	10	2.00
PC9544	Suite of Projects	PC-PC-0053	0	0	5	0	0	0	0	2	4	3	1	15	3.00
PC9544A	BMP/LID	PC-PC-0053	-	-	5	-	-	-	-	2	3	2	1	13	2.60
PC9544B	BMP/LID	PC-PC-0053	-	-	5	-	-	-	-	2	3	2	1	13	2.60
PC9544C	BMP/LID	PC-PC-0052	-	-	5	-	-	-	-	2	3	3	1	14	2.80
PC9545	BMP/LID	PC-SI-0014	-	-	1	-	-	-	-	1	2	1	1	6	1.20
PC9546	Suite of Projects	PC-RA-0004	0	0	1	0	0	0	0	2	3	3	1	10	2.00
PC9546A	BMP/LID	PC-RA-0004	-	-	1	-	-	-	-	2	3	2	1	9	1.80
PC9546B	BMP/LID	PC-RA-0004	-	-	1	-	-	-	-	2	2	1	1	7	1.40
PC9547	BMP/LID	PC-RA-0005	-	-	1	-	-	-	-	3	3	3	1	11	2.20
PC9548	BMP/LID	PC-RA-0006	-	-	3	-	-	-	-	3	5	4	1	16	3.20
PC9549	BMP/LID	PC-RA-0005	-	-	1	-	-	-	-	3	4	3	1	12	2.40
PC9550	Suite of Projects	PC-SI-0015	0	0	1	0	0	0	0	2	4	3	1	11	2.20
PC9550A	BMP/LID	PC-SI-0015	-	-	1	-	-	-	-	1	1	1	1	5	1.00
PC9550B	BMP/LID	PC-SI-0015	-	-	1	-	-	-	-	1	2	1	1	6	1.20
PC9551	BMP/LID	PC-SI-0015	-	-	1	-	-	-	-	1	2	2	1	7	1.40
PC9552	BMP/LID	PC-RA-0012	-	-	2	-	-	-	-	3	5	4	1	15	3.00
PC9553	BMP/LID	PC-RA-0012	-	-	2	-	-	-	-	2	4	3	1	12	2.40
PC9554	BMP/LID	PC-RA-0011	-	-	2	-	-	-	-	2	2	2	1	9	1.80
PC9700	Outfall Improvement	PC-PC-0013	-	4	5	-	-	-	-	3	4	4	2	22	3.67
PC9701	Outfall Improvement	PC-PC-0019	-	3	5	-	-	-	-	3	4	4	2	21	3.50
PC9702	Outfall Improvement	PC-SI-0009	-	4	3	-	-	-	-	3	4	4	2	20	3.33
PC9703	Outfall Improvement	PC-SI-0001	-	4	4	-	-	-	-	4	4	4	2	22	3.67
PC9704	Outfall Improvement	PC-PC-0046	-	5	2	-	-	-	-	4	4	4	2	21	3.50
PC9705	Outfall Improvement	PC-SI-0011	-	5	2	-	-	-	-	4	4	4	2	21	3.50

Appendix E: STEPL Pollutant Loads

Appendix E: STEPL Pollutant Loads

			TSS			TP			TN		
PRJ_ID_LEG	PRJ_TYPE	Subwatershed	Future w/o Project Conditions (tons/ac/yr)	Future w/ Project Conditions Metric (tons/ac/yr)	% Change: Future w/o to Future w/ Project	Future w/o Project Conditions (lbs/ac/yr)	Future w/ Project Conditions Metric (lbns/ac/yr)	% Change: Future w/o to Future w/ Project2	Future w/o Project Conditions (lbs/ac/yr)3	Future w/ Project Conditions Metric (lbns/ac/yr)4	% Change: Future w/o to Future w/ Project5
PC9001	Suite of Projects	PC-SR-0024	0.259	0.151	41.71%	5.216	4.793	8.12%	0.884	0.756	14.43%
PC9001A	Stormwater Pond Retrofit	PC-SR-0024	0.259	0.236	8.84%	5.216	4.929	5.51%	0.884	0.809	8.45%
PC9001B	Stream Restoration	PC-SR-0024	0.259	0.174	32.87%	5.216	5.080	2.61%	0.884	0.831	5.98%
PC9003	Stormwater Pond Retrofit	PC-SR-0022	0.223	0.219	1.89%	4.963	4.869	1.91%	0.811	0.788	2.79%
PC9004A	Stream Restoration	PC-SR-0020	0.327	0.074	77.52%	4.474	4.068	9.07%	0.820	0.662	19.19%
PC9007	Stormwater Pond Retrofit	PC-SR-0020	0.327	0.316	3.47%	4.474	4.281	4.32%	0.820	0.772	5.84%
PC9008	Stormwater Pond Retrofit	PC-SR-0026	0.186	0.156	16.39%	7.710	7.129	7.53%	1.222	1.091	10.75%
PC9100	Stormwater Pond Retrofit	PC-PC-0007	0.147	0.143	3.09%	5.153	5.123	0.57%	0.716	0.708	1.13%
PC9101	Stormwater Pond Retrofit	PC-PC-0012	0.270	0.267	1.03%	10.842	10.781	0.55%	1.578	1.569	0.57%
PC9102	Stormwater Pond Retrofit	PC-PC-0009	0.158	0.147	7.02%	7.747	7.512	3.03%	0.982	0.947	3.59%
PC9103	Stormwater Pond Retrofit	PC-PC-0009	0.158	0.152	3.58%	7.747	7.644	1.32%	0.982	0.967	1.55%
PC9104	Stormwater Pond Retrofit	PC-PC-0009	0.158	0.155	1.67%	7.747	7.701	0.60%	0.982	0.975	0.70%
PC9105	Stormwater Pond Retrofit	PC-PC-0019	0.241	0.217	9.87%	10.241	9.884	3.49%	1.479	1.423	3.78%
PC9106	Stormwater Pond Retrofit	PC-SL-0002	0.260	0.222	14.46%	5.372	4.783	10.97%	0.931	0.772	17.09%
PC9107	Stormwater Pond Retrofit	PC-PC-0021	0.404	0.403	0.29%	7.218	7.198	0.28%	1.168	1.163	0.40%
PC9108	Stormwater Pond Retrofit	PC-SR-0018	0.153	0.152	0.43%	3.311	3.302	0.27%	0.534	0.532	0.35%
PC9109	Stormwater Pond Retrofit	PC-MR-0002	0.163	0.162	0.65%	6.615	6.592	0.35%	1.050	1.046	0.39%
PC9110	Stormwater Pond Retrofit	PC-SR-0013	0.571	0.563	1.43%	5.795	5.632	2.81%	1.108	1.069	3.55%
PC9111	Stormwater Pond Retrofit	PC-PC-0026	0.434	0.434	0.01%	7.668	7.668	0.01%	1.310	1.310	0.01%
PC9112	Stormwater Pond Retrofit	PC-MR-0004	0.131	0.128	2.40%	5.549	5.492	1.02%	0.860	0.849	1.26%
PC9113	Stormwater Pond Retrofit	PC-PC-0026	0.434	0.433	0.08%	7.668	7.660	0.10%	1.310	1.309	0.11%
PC9114	Stormwater Pond Retrofit	PC-PR-0001	0.170	0.168	1.62%	5.502	5.457	0.82%	0.872	0.860	1.36%
PC9115	Stormwater Pond Retrofit	PC-PC-0026	0.434	0.429	0.99%	7.668	7.607	0.80%	1.310	1.298	0.95%
PC9116	Stormwater Pond Retrofit	PC-PC-0026	0.434	0.430	0.96%	7.668	7.610	0.76%	1.310	1.298	0.91%
PC9117	Stormwater Pond Retrofit	PC-PC-0026	0.434	0.427	1.61%	7.668	7.563	1.37%	1.310	1.287	1.78%
PC9118	Stormwater Pond Retrofit	PC-SB-0001	0.237	0.222	6.23%	6.344	6.277	1.06%	1.025	1.003	2.14%
PC9119	Stormwater Pond Retrofit	PC-PC-0028	1.046	1.021	2.40%	6.324	5.894	6.80%	1.337	1.254	6.18%
PC9120	Stormwater Pond Retrofit	PC-PR-0002	0.109	0.098	10.58%	5.089	5.036	1.05%	0.781	0.764	2.22%
PC9121	Stormwater Pond Retrofit	PC-SR-0020	0.327	0.318	2.84%	4.474	4.286	4.20%	0.820	0.768	6.33%
PC9122	Stormwater Pond Retrofit	PC-PC-0034	1.035	0.996	3.85%	8.940	8.281	7.37%	1.683	1.555	7.64%
PC9123	Stormwater Pond Retrofit	PC-CY-0002	0.139	0.139	0.52%	5.446	5.440	0.10%	0.848	0.846	0.18%
PC9124	Stormwater Pond Retrofit	PC-OS-0001	0.460	0.446	3.09%	6.464	6.169	4.56%	1.178	1.115	5.39%
PC9125	Stormwater Pond Retrofit	PC-PC-0050	0.302	0.302	0.00%	6.433	6.433	0.00%	1.047	1.047	0.00%
PC9126	Stormwater Pond Retrofit	PC-PC-0044	0.797	0.795	0.29%	7.637	7.600	0.49%	1.398	1.390	0.61%
PC9127	Stormwater Pond Retrofit	PC-SI-0004	0.135	0.080	41.10%	5.224	4.187	19.85%	0.806	0.603	25.16%
PC9128	Stormwater Pond Retrofit	PC-SI-0006	0.451	0.441	2.34%	8.056	7.853	2.52%	1.309	1.271	2.93%
PC9129	Stormwater Pond Retrofit	PC-SI-0008	0.358	0.358	0.00%	7.029	7.029	0.00%	1.139	1.139	0.00%
PC9130	Stormwater Pond Retrofit	PC-SI-0001	0.261	0.253	2.96%	7.076	6.913	2.30%	1.057	1.031	2.42%
PC9131	Stormwater Pond Retrofit	PC-SI-0001	0.261	0.241	7.59%	7.076	6.708	5.20%	1.057	0.987	6.58%
PC9132	Stormwater Pond Retrofit	PC-PC-0055	0.666	0.646	2.87%	6.563	6.218	5.26%	1.187	1.120	5.64%
PC9133	Stormwater Pond Retrofit	PC-PC-0046	0.803	0.801	0.26%	6.919	6.889	0.44%	1.329	1.322	0.51%
PC9134	Stormwater Pond Retrofit	PC-SI-0015	0.673	0.670	0.47%	6.398	6.337	0.95%	1.197	1.184	1.08%
PC9135	Stormwater Pond Retrofit	PC-RA-0005	0.226	0.182	19.37%	4.609	4.025	12.66%	0.776	0.650	16.35%
PC9136	Stormwater Pond Retrofit	PC-PC-0054	0.223	0.220	1.26%	7.121	7.064	0.80%	1.129	1.119	0.91%
PC9137	Stormwater Pond Retrofit	PC-RA-0006	0.317	0.315	0.87%	6.296	6.253	0.68%	1.017	1.009	0.82%
PC9138	Stormwater Pond Retrofit	PC-RA-0010	0.305	0.305	0.07%	6.218	6.213	0.08%	1.009	1.008	0.09%
PC9139	Stormwater Pond Retrofit	PC-SI-0016	0.416	0.416	0.00%	7.116	7.116	0.00%	1.140	1.140	0.00%
PC9140	Stormwater Pond Retrofit	PC-RA-0011	0.098	0.060	38.91%	4.985	4.217	15.41%	0.819	0.606	26.02%
PC9200	Stream Restoration	PC-PC-0020	0.624	0.547	12.37%	9.507	9.402	1.10%	1.589	1.549	2.56%

Appendix E: STEPL Pollutant Loads

			TSS			TP			TN		
PRJ_ID_LEG	PRJ_TYPE	Subwatershed	Future w/o Project Conditions (tons/ac/yr)	Future w/ Project Conditions Metric (tons/ac/yr)	% Change: Future w/o to Future w/ Project	Future w/o Project Conditions (lbs/ac/yr)	Future w/ Project Conditions Metric (lbns/ac/yr)	% Change: Future w/o to Future w/ Project2	Future w/o Project Conditions (lbs/ac/yr)3	Future w/ Project Conditions Metric (lbns/ac/yr)4	% Change: Future w/o to Future w/ Project5
PC9201	Stream Restoration	PC-PC-0021	0.404	0.213	47.15%	7.218	6.913	4.22%	1.168	1.050	10.11%
PC9202A	Stream Restoration	PC-SR-0007	0.246	0.176	28.52%	5.698	5.586	1.97%	0.929	0.885	4.69%
PC9203	Stream Restoration	PC-PC-0023	0.332	0.246	26.03%	6.828	6.710	1.72%	1.090	1.045	4.18%
PC9204	Stream Restoration	PC-SR-0007	0.246	0.238	3.36%	5.698	5.685	0.23%	0.929	0.923	0.55%
PC9205	Stream Restoration	PC-PC-0023	0.332	0.316	4.86%	6.828	6.806	0.32%	1.090	1.082	0.78%
PC9206	Stream Restoration	PC-PC-0023	0.332	0.318	4.23%	6.828	6.809	0.28%	1.090	1.083	0.68%
PC9207	Stream Restoration	PC-SR-0010	0.263	0.219	16.67%	4.018	3.958	1.48%	0.697	0.674	3.32%
PC9208	Stream Restoration	PC-SR-0018	0.153	0.148	3.53%	3.311	3.304	0.22%	0.534	0.531	0.53%
PC9209	Stream Restoration	PC-PC-0025	0.474	0.453	4.30%	5.231	5.199	0.62%	0.948	0.935	1.33%
PC9210	Stream Restoration	PC-SR-0013	0.571	0.286	49.98%	5.795	5.338	7.88%	1.108	0.931	15.98%
PC9211A	Stream Restoration	PC-PC-0025	0.474	0.457	3.53%	5.231	5.205	0.51%	0.948	0.937	1.09%
PC9212	Stream Restoration	PC-SR-0015	0.261	0.119	54.16%	4.454	4.228	5.07%	0.769	0.681	11.38%
PC9213	Stream Restoration	PC-PC-0026	0.434	0.415	4.39%	7.668	7.638	0.40%	1.310	1.298	0.90%
PC9214	Stream Restoration	PC-MR-0005	0.185	0.151	18.49%	5.205	5.159	0.89%	0.820	0.802	2.20%
PC9215	Stream Restoration	PC-MR-0005	0.185	0.181	1.88%	5.205	5.201	0.09%	0.820	0.818	0.22%
PC9216	Stream Restoration	PC-PC-0027	0.636	0.596	6.31%	6.256	6.192	1.03%	1.158	1.133	2.15%
PC9217	Stream Restoration	PC-PC-0027	0.636	0.631	0.77%	6.256	6.248	0.13%	1.158	1.155	0.26%
PC9218	Stream Restoration	PC-PC-0027	0.636	0.598	6.00%	6.256	6.195	0.97%	1.158	1.134	2.04%
PC9219	Stream Restoration	PC-SR-0017	0.059	0.048	18.62%	0.819	0.802	2.13%	0.164	0.157	4.12%
PC9220	Stream Restoration	PC-SR-0023	0.225	0.144	36.22%	3.139	3.009	4.15%	0.534	0.483	9.47%
PC9221	Stream Restoration	PC-SR-0020	0.327	0.276	15.57%	4.474	4.393	1.82%	0.820	0.788	3.86%
PC9222	Stream Restoration	PC-PC-0033	0.348	0.168	51.65%	7.080	6.792	4.06%	1.170	1.059	9.51%
PC9223	Stream Restoration	PC-SR-0022	0.223	0.160	28.36%	4.963	4.862	2.04%	0.811	0.771	4.84%
PC9224	Stream Restoration	PC-SR-0023	0.225	0.220	2.07%	3.139	3.132	0.24%	0.534	0.531	0.54%
PC9225	Stream Restoration	PC-PC-0036	1.575	0.772	50.96%	8.210	6.926	15.64%	1.740	1.243	28.58%
PC9226	Stream Restoration	PC-PC-0035	0.350	0.171	51.06%	4.878	4.592	5.86%	0.829	0.718	13.38%
PC9227	Stream Restoration	PC-PC-0044	0.797	0.788	1.07%	7.637	7.623	0.18%	1.398	1.393	0.38%
PC9228A	Stream Restoration	PC-PC-0044	0.797	0.644	19.15%	7.637	7.393	3.20%	1.398	1.304	6.77%
PC9229	Stream Restoration	PC-PC-0037	0.496	0.208	58.06%	6.288	5.827	7.33%	1.103	0.924	16.20%
PC9230	Stream Restoration	PC-PC-0050	0.302	0.264	12.46%	6.433	6.382	0.80%	1.047	1.027	1.89%
PC9231	Stream Restoration	PC-PC-0037	0.496	0.488	1.65%	6.288	6.275	0.21%	1.103	1.098	0.46%
PC9232	Stream Restoration	PC-PC-0049	0.636	0.504	20.74%	5.982	5.771	3.53%	1.089	1.008	7.51%
PC9233	Stream Restoration	PC-PC-0045	0.529	0.418	20.91%	6.313	6.136	2.80%	1.091	1.023	6.28%
PC9234	Stream Restoration	PC-PC-0049	0.636	0.419	34.21%	5.982	5.633	5.82%	1.089	0.954	12.39%
PC9235	Stream Restoration	PC-PC-0041	0.489	0.476	2.63%	6.051	6.030	0.34%	1.077	1.069	0.74%
PC9236	Stream Restoration	PC-SI-0008	0.358	0.348	2.88%	7.029	7.012	0.23%	1.139	1.133	0.56%
PC9237	Stream Restoration	PC-SI-0007	0.308	0.239	22.62%	5.797	5.686	1.93%	0.953	0.910	4.54%
PC9238	Stream Restoration	PC-SI-0007	0.308	0.303	1.78%	5.797	5.789	0.15%	0.953	0.950	0.36%
PC9239	Stream Restoration	PC-SI-0007	0.308	0.299	3.06%	5.797	5.782	0.26%	0.953	0.948	0.61%
PC9240	Stream Restoration	PC-SI-0009	0.503	0.354	29.60%	7.144	6.906	3.34%	1.244	1.152	7.42%
PC9241	Stream Restoration	PC-SI-0009	0.503	0.361	28.18%	7.144	6.918	3.18%	1.244	1.156	7.06%
PC9242	Stream Restoration	PC-PC-0049	0.636	0.516	18.86%	5.982	5.790	3.21%	1.089	1.015	6.83%
PC9243	Stream Restoration	PC-SI-0005	1.399	1.303	6.87%	8.046	7.893	1.91%	1.660	1.601	3.59%
PC9244	Stream Restoration	PC-PC-0048	0.170	0.161	5.18%	6.640	6.626	0.21%	1.024	1.019	0.53%
PC9245	Stream Restoration	PC-PC-0042	0.291	0.182	37.35%	7.249	7.075	2.40%	1.153	1.085	5.84%
PC9246	Stream Restoration	PC-SI-0005	1.399	1.195	14.58%	8.046	7.720	4.06%	1.660	1.534	7.62%
PC9247A	Stream Restoration	PC-SI-0005	1.399	1.281	8.46%	8.046	7.857	2.35%	1.660	1.587	4.42%
PC9248	Stream Restoration	PC-RA-0001	0.629	0.483	23.32%	6.597	6.362	3.56%	1.206	1.115	7.55%
PC9249	Stream Restoration	PC-PC-0046	0.803	0.537	33.11%	6.919	6.494	6.15%	1.329	1.164	12.40%

Appendix E: STEPL Pollutant Loads

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PC9250	Stream Restoration	PC-SI-0010	0.509	0.019	96.34%	6.574	5.789	11.94%	1.139	0.834	26.71%
PC9251	Stream Restoration	PC-PC-0053	0.393	0.323	17.74%	6.003	5.891	1.86%	1.033	0.990	4.18%
PC9252	Stream Restoration	PC-PC-0052	0.252	0.215	14.72%	7.031	6.972	0.84%	1.146	1.123	2.01%
PC9253	Stream Restoration	PC-PC-0052	0.252	0.246	2.25%	7.031	7.022	0.13%	1.146	1.142	0.31%
PC9254	Stream Restoration	PC-SI-0013	1.103	0.453	58.89%	8.415	7.376	12.35%	1.662	1.259	24.23%
PC9255	Stream Restoration	PC-PC-0053	0.393	0.373	5.03%	6.003	5.971	0.53%	1.033	1.021	1.19%
PC9256	Stream Restoration	PC-RA-0004	0.333	0.202	39.36%	6.774	6.564	3.10%	1.129	1.047	7.20%
PC9257	Stream Restoration	PC-PC-0054	0.223	0.179	19.86%	7.121	7.051	1.00%	1.129	1.102	2.43%
PC9258	Stream Restoration	PC-PC-0054	0.223	0.209	6.37%	7.121	7.099	0.32%	1.129	1.121	0.78%
PC9259	Stream Restoration	PC-RA-0005	0.226	0.163	27.82%	4.609	4.508	2.18%	0.776	0.738	5.02%
PC9260	Stream Restoration	PC-RA-0006	0.317	0.237	25.43%	6.296	6.166	2.05%	1.017	0.967	4.92%
PC9261	Stream Restoration	PC-SI-0015	0.673	0.640	4.99%	6.398	6.345	0.84%	1.197	1.176	1.74%
PC9262	Stream Restoration	PC-SI-0015	0.673	0.269	60.10%	6.398	5.751	10.12%	1.197	0.946	20.96%
PC9263	Stream Restoration	PC-RA-0008	0.226	0.129	43.13%	5.491	5.335	2.84%	0.878	0.817	6.89%
PC9264	Stream Restoration	PC-SI-0016	0.416	0.401	3.62%	7.116	7.091	0.34%	1.140	1.131	0.82%
PC9265	Stream Restoration	PC-RA-0010	0.305	0.171	43.88%	6.218	6.004	3.45%	1.009	0.926	8.23%
PC9266	Stream Restoration	PC-RA-0009	1.334	1.236	7.28%	7.100	6.945	2.19%	1.573	1.513	3.82%
PC9267	Stream Restoration	PC-RA-0009	1.334	1.310	1.75%	7.100	7.063	0.52%	1.573	1.559	0.92%
PC9268	Stream Restoration	PC-RA-0013	0.603	0.284	52.88%	5.561	5.051	9.18%	1.058	0.860	18.70%
PC9269	Stream Restoration	PC-RA-0014	0.248	0.188	24.21%	5.133	5.037	1.87%	0.835	0.798	4.45%
PC9500	BMP/LID	PC-PC-0007	0.147	0.147	0.42%	5.153	5.150	0.06%	0.716	0.715	0.14%
PC9501	BMP/LID	PC-PC-0007	0.147	0.135	8.40%	5.153	4.827	6.33%	0.716	0.665	7.12%
PC9502	BMP/LID	PC-PC-0012	0.270	0.270	0.27%	10.842	10.824	0.16%	1.578	1.575	0.21%
PC9503	BMP/LID	PC-PC-0013	0.597	0.597	0.05%	9.061	9.059	0.02%	1.461	1.461	0.04%
PC9504	BMP/LID	PC-PC-0012	0.270	0.270	0.07%	10.842	10.840	0.02%	1.578	1.578	0.03%
PC9505	BMP/LID	PC-PC-0013	0.597	0.597	0.02%	9.061	9.060	0.01%	1.461	1.461	0.02%
PC9506	BMP/LID	PC-SL-0001	0.103	0.103	0.22%	4.077	4.075	0.05%	0.626	0.626	0.09%
PC9507	BMP/LID	PC-PC-0021	0.404	0.403	0.14%	7.218	7.205	0.19%	1.168	1.165	0.27%
PC9508	Suite of Projects	PC-SR-0005	0.131	0.130	0.46%	3.987	3.980	0.16%	0.625	0.624	0.23%
PC9508A	BMP/LID	PC-SR-0005	0.131	0.130	0.14%	3.987	3.983	0.09%	0.625	0.624	0.14%
PC9508B	BMP/LID	PC-SR-0006	0.328	0.328	0.05%	4.446	4.445	0.03%	0.766	0.765	0.03%
PC9509	BMP/LID	PC-SR-0004	0.260	0.260	0.25%	5.646	5.630	0.28%	0.930	0.926	0.39%
PC9510	Suite of Projects	PC-SR-0011	0.154	0.154	0.10%	3.902	3.901	0.02%	0.637	0.637	0.04%
PC9510A	BMP/LID	PC-SR-0011	0.154	0.154	0.10%	3.902	3.901	0.02%	0.637	0.637	0.04%
PC9511	BMP/LID	PC-MR-0005	0.185	0.182	1.55%	5.205	5.130	1.45%	0.820	0.808	1.44%
PC9512	BMP/LID	PC-PR-0001	0.170	0.170	0.23%	5.502	5.492	0.18%	0.872	0.869	0.26%
PC9513	BMP/LID	PC-PC-0028	1.046	1.045	0.06%	6.324	6.318	0.09%	1.337	1.335	0.12%
PC9514	BMP/LID	PC-PC-0028	1.046	1.045	0.05%	6.324	6.310	0.21%	1.337	1.334	0.23%
PC9515	Suite of Projects	PC-MR-0006	0.239	0.237	0.73%	6.853	6.810	0.63%	1.103	1.093	0.91%
PC9515A	BMP/LID	PC-MR-0006	0.239	0.238	0.35%	6.853	6.833	0.30%	1.103	1.098	0.43%
PC9515B	BMP/LID	PC-MR-0006	0.239	0.238	0.38%	6.853	6.831	0.33%	1.103	1.098	0.48%
PC9516	BMP/LID	PC-PC-0033	0.348	0.347	0.20%	7.080	7.062	0.25%	1.170	1.166	0.35%
PC9517	Suite of Projects	PC-PR-0002	0.109	0.109	0.40%	5.089	5.079	0.21%	0.781	0.779	0.32%
PC9517A	BMP/LID	PC-PR-0002	0.109	0.109	0.09%	5.089	5.087	0.05%	0.781	0.781	0.07%
PC9517B	BMP/LID	PC-CY-0003	0.147	0.147	0.11%	6.310	6.306	0.07%	0.986	0.985	0.10%
PC9518	BMP/LID	PC-PR-0002	0.109	0.109	0.70%	5.089	5.071	0.37%	0.781	0.777	0.55%
PC9519	Suite of Projects	PC-PC-0028	1.046	1.045	0.10%	6.324	6.301	0.36%	1.337	1.332	0.35%
PC9519A	BMP/LID	PC-PC-0028	1.046	1.046	0.00%	6.324	6.323	0.01%	1.337	1.337	0.01%
PC9519B	BMP/LID	PC-PC-0028	1.046	1.045	0.10%	6.324	6.302	0.35%	1.337	1.332	0.34%

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PC9520	BMP/LID	PC-PC-0029	1.051	1.050	0.06%	6.230	6.216	0.22%	1.327	1.324	0.23%
PC9521	BMP/LID	PC-PC-0029	1.051	1.050	0.04%	6.230	6.219	0.17%	1.327	1.324	0.17%
PC9522	BMP/LID	PC-PC-0031	0.823	0.823	0.01%	6.450	6.446	0.05%	1.273	1.273	0.05%
PC9523	BMP/LID	PC-CY-0002	0.139	0.139	0.19%	5.446	5.444	0.03%	0.848	0.847	0.05%
PC9524	BMP/LID	PC-CY-0003	0.147	0.146	0.49%	6.310	6.292	0.28%	0.986	0.982	0.42%
PC9525	BMP/LID	PC-PC-0039	0.267	0.247	7.30%	7.332	6.820	6.99%	1.109	1.029	7.22%
PC9526	BMP/LID	PC-OS-0001	0.460	0.460	0.04%	6.464	6.459	0.07%	1.178	1.177	0.09%
PC9527	BMP/LID	PC-PC-0044	0.797	0.796	0.08%	7.637	7.622	0.20%	1.398	1.395	0.25%
PC9528	BMP/LID	PC-PC-0049	0.636	0.636	0.07%	5.982	5.971	0.17%	1.089	1.087	0.22%
PC9529	BMP/LID	PC-PC-0035	0.350	0.349	0.22%	4.878	4.874	0.08%	0.829	0.827	0.15%
PC9530	BMP/LID	PC-PC-0049	0.636	0.636	0.04%	5.982	5.975	0.11%	1.089	1.088	0.14%
PC9531	Suite of Projects	PC-SI-0004	0.135	0.132	2.24%	5.224	5.149	1.43%	0.806	0.788	2.15%
PC9531A	BMP/LID	PC-SI-0004	0.135	0.134	1.13%	5.224	5.186	0.72%	0.806	0.797	1.09%
PC9531A	BMP/LID	PC-SI-0004	0.135	0.134	1.13%	5.224	5.186	0.72%	0.806	0.797	1.09%
PC9531B	BMP/LID	PC-SI-0004	0.135	0.134	1.11%	5.224	5.187	0.71%	0.806	0.797	1.06%
PC9532	BMP/LID	PC-PC-0035	0.350	0.350	0.03%	4.878	4.876	0.05%	0.829	0.828	0.07%
PC9533	BMP/LID	PC-SR-0026	0.186	0.184	1.16%	7.710	7.675	0.45%	1.222	1.217	0.42%
PC9534	BMP/LID	PC-SI-0003	0.557	0.552	1.01%	7.359	7.214	1.97%	1.234	1.211	1.84%
PC9535	BMP/LID	PC-SI-0008	0.358	0.357	0.23%	7.029	7.011	0.25%	1.139	1.136	0.24%
PC9536	Suite of Projects	PC-SI-0006	0.451	0.451	0.01%	8.056	8.055	0.01%	1.309	1.309	0.01%
PC9536A	BMP/LID	PC-SI-0006	0.451	0.451	0.00%	8.056	8.056	0.00%	1.309	1.309	0.00%
PC9536A	BMP/LID	PC-SI-0006	0.451	0.451	0.00%	8.056	8.056	0.00%	1.309	1.309	0.00%
PC9536B	BMP/LID	PC-SI-0006	0.451	0.451	0.00%	8.056	8.055	0.01%	1.309	1.309	0.01%
PC9537	BMP/LID	PC-PC-0040	0.462	0.462	0.03%	5.758	5.751	0.12%	1.017	1.016	0.11%
PC9538	BMP/LID	PC-SI-0009	0.503	0.503	0.11%	7.144	7.131	0.19%	1.244	1.241	0.25%
PC9539	BMP/LID	PC-SI-0011	0.777	0.767	1.26%	7.819	7.561	3.31%	1.301	1.261	3.10%
PC9540	Suite of Projects	PC-SI-0010	0.509	0.509	0.04%	6.574	6.571	0.05%	1.139	1.138	0.06%
PC9540A	BMP/LID	PC-SI-0010	0.509	0.509	0.02%	6.574	6.571	0.03%	1.139	1.138	0.04%
PC9540A	BMP/LID	PC-SI-0010	0.509	0.509	0.02%	6.574	6.571	0.03%	1.139	1.138	0.04%
PC9540B	BMP/LID	PC-SI-0010	0.509	0.509	0.02%	6.574	6.573	0.01%	1.139	1.138	0.02%
PC9541	BMP/LID	PC-SI-0012	0.130	0.129	0.58%	5.547	5.529	0.33%	0.863	0.859	0.49%
PC9542	Suite of Projects	PC-PC-0046	0.803	0.802	0.05%	6.919	6.917	0.03%	1.329	1.328	0.05%
PC9542A	BMP/LID	PC-PC-0046	0.803	0.803	0.04%	6.919	6.918	0.02%	1.329	1.328	0.04%
PC9542A	BMP/LID	PC-PC-0046	0.803	0.803	0.04%	6.919	6.918	0.02%	1.329	1.328	0.04%
PC9542B	BMP/LID	PC-PC-0046	0.803	0.803	0.01%	6.919	6.919	0.01%	1.329	1.329	0.01%
PC9543	BMP/LID	PC-PC-0051	0.141	0.140	0.06%	5.206	5.203	0.06%	0.800	0.800	0.09%
PC9544	Suite of Projects	PC-PC-0053	0.393	0.391	0.58%	6.003	5.946	0.95%	1.033	1.020	1.24%
PC9544A	BMP/LID	PC-PC-0053	0.393	0.392	0.14%	6.003	5.989	0.23%	1.033	1.030	0.31%
PC9544A	BMP/LID	PC-PC-0053	0.393	0.392	0.14%	6.003	5.989	0.23%	1.033	1.030	0.31%
PC9544B	BMP/LID	PC-PC-0053	0.393	0.392	0.17%	6.003	5.986	0.28%	1.033	1.029	0.38%
PC9544C	BMP/LID	PC-PC-0052	0.252	0.251	0.52%	7.031	6.998	0.47%	1.146	1.139	0.62%
PC9545	BMP/LID	PC-SI-0014	0.854	0.853	0.04%	6.986	6.977	0.13%	1.353	1.351	0.14%
PC9546A	BMP/LID	PC-RA-0004	0.333	0.333	0.20%	6.774	6.758	0.24%	1.129	1.125	0.33%
PC9546A	BMP/LID	PC-RA-0004	0.333	0.333	0.20%	6.774	6.758	0.24%	1.129	1.125	0.33%
PC9546B	BMP/LID	PC-RA-0004	0.333	0.332	0.25%	6.774	6.768	0.09%	1.129	1.127	0.15%
PC9547	BMP/LID	PC-RA-0005	0.226	0.223	1.18%	4.609	4.595	0.31%	0.776	0.772	0.58%
PC9548	BMP/LID	PC-RA-0006	0.317	0.310	2.20%	6.296	6.112	2.91%	1.017	0.989	2.82%
PC9549	BMP/LID	PC-RA-0005	0.226	0.224	0.93%	4.609	4.558	1.12%	0.776	0.765	1.54%
PC9550A	BMP/LID	PC-SI-0015	0.673	0.673	0.01%	6.398	6.397	0.02%	1.197	1.197	0.02%

Appendix E: STEPL Pollutant Loads

			TSS			TP			TN		
PRJ_ID_LEG	PRJ_TYPE	Subwatershed	Future w/o Project Conditions (tons/ac/yr)	Future w/ Project Conditions Metric (tons/ac/yr)	% Change: Future w/o to Future w/ Project	Future w/o Project Conditions (lbs/ac/yr)	Future w/ Project Conditions Metric (lbns/ac/yr)	% Change: Future w/o to Future w/ Project2	Future w/o Project Conditions (lbs/ac/yr)3	Future w/ Project Conditions Metric (lbns/ac/yr)4	% Change: Future w/o to Future w/ Project5
PC9550A	BMP/LID	PC-SI-0015	0.673	0.673	0.01%	6.398	6.397	0.02%	1.197	1.197	0.02%
PC9550B	BMP/LID	PC-SI-0015	0.673	0.673	0.02%	6.398	6.395	0.05%	1.197	1.196	0.06%
PC9551	BMP/LID	PC-SI-0015	0.673	0.673	0.07%	6.398	6.387	0.17%	1.197	1.195	0.21%
PC9552	BMP/LID	PC-RA-0012	0.289	0.281	2.71%	4.972	4.780	3.87%	0.896	0.852	4.99%
PC9553	BMP/LID	PC-RA-0012	0.289	0.287	0.39%	4.972	4.944	0.56%	0.896	0.890	0.73%
PC9554	BMP/LID	PC-RA-0011	0.098	0.098	0.38%	4.985	4.976	0.18%	0.819	0.817	0.26%

Appendix F: Summary of Source Indicator Scoring

Appendix F: Summary of Source Indicator Scoring

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Channelized Pipes/ Streams	DCIA	SW Outfalls	Saniatary Sewer Crossing	Streambank Deficient	TSS	TN	TP	# of Scored Indicators Score	Sum	Score
PC9500	BMP/LID	PC-PC-0007	-	5	4	-	-	2	2	1	-	14	2.33
PC9501	BMP/LID	PC-PC-0007	-	5	4	-	-	4	5	5	-	23	3.83
PC9502	BMP/LID	PC-PC-0012	-	5	5	-	-	2	2	2	-	16	2.67
PC9503	BMP/LID	PC-PC-0013	-	5	3	-	-	1	1	1	-	11	1.83
PC9504	BMP/LID	PC-PC-0012	-	5	5	-	-	1	1	1	-	13	2.17
PC9505	BMP/LID	PC-PC-0013	-	5	3	-	-	1	1	1	-	11	1.83
PC9506	BMP/LID	PC-SL-0001	-	5	3	-	-	2	2	1	-	13	2.17
PC9507	BMP/LID	PC-PC-0021	-	5	4	-	-	2	2	2	-	15	2.50
PC9508A	BMP/LID	PC-SR-0005	-	3	4	-	-	2	2	1	-	12	2.00
PC9508B	BMP/LID	PC-SR-0006	-	5	4	-	-	1	1	1	-	12	2.00
PC9509	BMP/LID	PC-SR-0004	-	4	5	-	-	2	3	2	-	16	2.67
PC9510A	BMP/LID	PC-SR-0011	-	3	5	-	-	1	1	1	-	11	1.83
PC9511	BMP/LID	PC-MR-0005	-	5	5	-	-	3	4	3	-	20	3.33
PC9512	BMP/LID	PC-PR-0001	-	5	5	-	-	2	2	2	-	16	2.67
PC9513	BMP/LID	PC-PC-0028	-	5	3	-	-	1	2	1	-	12	2.00
PC9514	BMP/LID	PC-PC-0028	-	5	3	-	-	1	3	2	-	14	2.33
PC9515A	BMP/LID	PC-MR-0006	-	5	4	-	-	2	3	2	-	16	2.67
PC9515B	BMP/LID	PC-MR-0006	-	5	4	-	-	2	3	2	-	16	2.67
PC9516	BMP/LID	PC-PC-0033	-	5	5	-	-	2	3	2	-	17	2.83
PC9517A	BMP/LID	PC-PR-0002	-	3	5	-	-	1	1	1	-	11	1.83
PC9517B	BMP/LID	PC-CY-0003	-	5	5	-	-	2	2	1	-	15	2.50
PC9518	BMP/LID	PC-PR-0002	-	3	5	-	-	2	3	3	-	16	2.67
PC9519A	BMP/LID	PC-PC-0028	-	5	3	-	-	1	1	1	-	11	1.83
PC9519B	BMP/LID	PC-PC-0028	-	5	3	-	-	1	3	2	-	14	2.33
PC9520	BMP/LID	PC-PC-0029	-	5	3	-	-	1	3	2	-	14	2.33
PC9521	BMP/LID	PC-PC-0029	-	5	3	-	-	1	2	2	-	13	2.17
PC9522	BMP/LID	PC-PC-0031	-	5	5	-	-	1	1	1	-	13	2.17
PC9523	BMP/LID	PC-CY-0002	-	5	5	-	-	2	1	1	-	14	2.33
PC9524	BMP/LID	PC-CY-0003	-	5	5	-	-	2	3	2	-	17	2.83
PC9525	BMP/LID	PC-PC-0039	-	5	3	-	-	4	5	5	-	22	3.67
PC9526	BMP/LID	PC-OS-0001	-	3	5	-	-	1	2	1	-	12	2.00
PC9527	BMP/LID	PC-PC-0044	-	5	5	-	-	1	3	2	-	16	2.67
PC9528	BMP/LID	PC-PC-0049	-	4	5	-	-	1	2	2	-	14	2.33
PC9529	BMP/LID	PC-PC-0035	-	3	5	-	-	2	2	1	-	13	2.17
PC9530	BMP/LID	PC-PC-0049	-	4	5	-	-	1	2	1	-	13	2.17
PC9531A	BMP/LID	PC-SI-0004	-	3	5	-	-	3	4	3	-	18	3.00
PC9531B	BMP/LID	PC-SI-0004	-	3	5	-	-	3	4	3	-	18	3.00
PC9532	BMP/LID	PC-PC-0035	-	3	5	-	-	1	1	1	-	11	1.83
PC9533	BMP/LID	PC-SR-0026	-	4	4	-	-	3	3	2	-	16	2.67
PC9534	BMP/LID	PC-SI-0003	-	5	5	-	-	3	5	4	-	22	3.67
PC9535	BMP/LID	PC-SI-0008	-	5	4	-	-	2	3	2	-	16	2.67
PC9536A	BMP/LID	PC-SI-0006	-	5	5	-	-	1	1	1	-	13	2.17
PC9536B	BMP/LID	PC-SI-0006	-	5	5	-	-	1	1	1	-	13	2.17
PC9537	BMP/LID	PC-PC-0040	-	5	5	-	-	1	2	1	-	14	2.33
PC9538	BMP/LID	PC-SI-0009	-	5	5	-	-	2	2	2	-	16	2.67
PC9539	BMP/LID	PC-SI-0011	-	5	5	-	-	3	5	4	-	22	3.67

Appendix F: Summary of Source Indicator Scoring

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Channelized Pipes/ Streams	DCIA	SW Outfalls	Saniatary Sewer Crossing	Streambank Deficient	TSS	TN	TP	# of Scored Indicators Score	Sum	Score
PC9540A	BMP/LID	PC-SI-0010	-	5	5	-	-	1	1	1	-	13	2.17
PC9540B	BMP/LID	PC-SI-0010	-	5	5	-	-	1	1	1	-	13	2.17
PC9541	BMP/LID	PC-SI-0012	-	5	5	-	-	2	3	2	-	17	2.83
PC9542A	BMP/LID	PC-PC-0046	-	5	5	-	-	1	1	1	-	13	2.17
PC9542B	BMP/LID	PC-PC-0046	-	5	5	-	-	1	1	1	-	13	2.17
PC9543	BMP/LID	PC-PC-0051	-	5	5	-	-	1	2	1	-	14	2.33
PC9544A	BMP/LID	PC-PC-0053	-	5	5	-	-	2	3	2	-	17	2.83
PC9544B	BMP/LID	PC-PC-0053	-	5	5	-	-	2	3	2	-	17	2.83
PC9544C	BMP/LID	PC-PC-0052	-	4	5	-	-	2	3	3	-	17	2.83
PC9545	BMP/LID	PC-SI-0014	-	4	5	-	-	1	2	1	-	13	2.17
PC9546A	BMP/LID	PC-RA-0004	-	5	4	-	-	2	3	2	-	16	2.67
PC9546B	BMP/LID	PC-RA-0004	-	5	4	-	-	2	2	1	-	14	2.33
PC9547	BMP/LID	PC-RA-0005	-	5	5	-	-	3	3	3	-	19	3.17
PC9549	BMP/LID	PC-RA-0005	-	5	5	-	-	3	4	3	-	20	3.33
PC9550A	BMP/LID	PC-SI-0015	-	5	3	-	-	1	1	1	-	11	1.83
PC9550B	BMP/LID	PC-SI-0015	-	5	3	-	-	1	2	1	-	12	2.00
PC9551	BMP/LID	PC-SI-0015	-	5	3	-	-	1	2	2	-	13	2.17
PC9552	BMP/LID	PC-RA-0012	-	5	5	-	-	3	5	4	-	22	3.67
PC9553	BMP/LID	PC-RA-0012	-	5	5	-	-	2	4	3	-	19	3.17
PC9554	BMP/LID	PC-RA-0011	-	5	5	-	-	2	2	2	-	16	2.67
PC9510B	Outfall Improvement	PC-SR-0012	4	-	5	-	-	3	3	3	-	18	3.00
PC9700	Outfall Improvement	PC-PC-0013	2	-	3	-	-	4	4	4	-	17	2.83
PC9701	Outfall Improvement	PC-PC-0019	5	-	5	-	-	4	4	4	-	22	3.67
PC9702	Outfall Improvement	PC-SI-0009	4	-	5	-	-	4	4	4	-	21	3.50
PC9703	Outfall Improvement	PC-SI-0001	4	-	5	-	-	4	4	4	-	21	3.50
PC9704	Outfall Improvement	PC-PC-0046	5	-	5	-	-	4	4	4	-	22	3.67
PC9705	Outfall Improvement	PC-SI-0011	5	-	5	-	-	4	4	4	-	22	3.67
PC9001A	Stormwater Pond Retro	PC-SR-0024	-	3	3	-	-	4	5	5	-	20	3.33
PC9003	Stormwater Pond Retro	PC-SR-0022	-	2	5	-	-	3	4	4	-	18	3.00
PC9007	Stormwater Pond Retro	PC-SR-0020	-	2	3	-	-	3	5	4	-	17	2.83
PC9008	Stormwater Pond Retro	PC-SR-0026	-	4	4	-	-	4	5	5	-	22	3.67
PC9100	Stormwater Pond Retro	PC-PC-0007	-	5	4	-	-	3	4	3	-	19	3.17
PC9101	Stormwater Pond Retro	PC-PC-0012	-	5	5	-	-	3	4	3	-	20	3.33
PC9102	Stormwater Pond Retro	PC-PC-0009	-	5	5	-	-	4	5	4	-	23	3.83
PC9103	Stormwater Pond Retro	PC-PC-0009	-	5	5	-	-	4	4	3	-	21	3.50
PC9104	Stormwater Pond Retro	PC-PC-0009	-	5	5	-	-	3	4	3	-	20	3.33
PC9105	Stormwater Pond Retro	PC-PC-0019	-	4	5	-	-	4	5	4	-	22	3.67
PC9106	Stormwater Pond Retro	PC-SL-0002	-	3	3	-	-	4	5	5	-	20	3.33
PC9107	Stormwater Pond Retro	PC-PC-0021	-	5	4	-	-	2	3	2	-	16	2.67
PC9108	Stormwater Pond Retro	PC-SR-0018	-	5	5	-	-	2	3	2	-	17	2.83
PC9109	Stormwater Pond Retro	PC-MR-0002	-	5	5	-	-	2	3	2	-	17	2.83
PC9110	Stormwater Pond Retro	PC-SR-0013	-	3	5	-	-	3	5	4	-	20	3.33
PC9111	Stormwater Pond Retro	PC-PC-0026	-	5	5	-	-	1	1	1	-	13	2.17
PC9112	Stormwater Pond Retro	PC-MR-0004	-	5	4	-	-	3	4	3	-	19	3.17
PC9113	Stormwater Pond Retro	PC-PC-0026	-	5	5	-	-	1	2	1	-	14	2.33
PC9114	Stormwater Pond Retro	PC-PR-0001	-	5	5	-	-	3	4	3	-	20	3.33

Appendix F: Summary of Source Indicator Scoring

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Channelized Pipes/ Streams	DCIA	SW Outfalls	Saniatary Sewer Crossing	Streambank Deficient	TSS	TN	TP	# of Scored Indicators Score	Sum	Score
PC9115	Stormwater Pond Retro	PC-PC-0026	-	5	5	-	-	3	4	3	-	20	3.33
PC9116	Stormwater Pond Retro	PC-PC-0026	-	5	5	-	-	3	4	3	-	20	3.33
PC9117	Stormwater Pond Retro	PC-PC-0026	-	5	5	-	-	3	4	3	-	20	3.33
PC9118	Stormwater Pond Retro	PC-SB-0001	-	3	5	-	-	4	4	4	-	20	3.33
PC9119	Stormwater Pond Retro	PC-PC-0028	-	5	3	-	-	3	5	5	-	21	3.50
PC9120	Stormwater Pond Retro	PC-PR-0002	-	3	5	-	-	4	4	4	-	20	3.33
PC9121	Stormwater Pond Retro	PC-SR-0020	-	2	3	-	-	3	5	5	-	18	3.00
PC9122	Stormwater Pond Retro	PC-PC-0034	-	3	5	-	-	4	5	5	-	22	3.67
PC9123	Stormwater Pond Retro	PC-CY-0002	-	5	5	-	-	2	2	2	-	16	2.67
PC9124	Stormwater Pond Retro	PC-OS-0001	-	3	5	-	-	3	5	4	-	20	3.33
PC9125	Stormwater Pond Retro	PC-PC-0050	-	5	5	-	-	1	1	1	-	13	2.17
PC9126	Stormwater Pond Retro	PC-PC-0044	-	5	5	-	-	2	4	3	-	19	3.17
PC9127	Stormwater Pond Retro	PC-SI-0004	-	3	5	-	-	5	5	5	-	23	3.83
PC9128	Stormwater Pond Retro	PC-SI-0006	-	5	5	-	-	3	5	4	-	22	3.67
PC9129	Stormwater Pond Retro	PC-SI-0008	-	5	4	-	-	1	1	1	-	12	2.00
PC9130	Stormwater Pond Retro	PC-SI-0001	-	5	5	-	-	3	5	4	-	22	3.67
PC9131	Stormwater Pond Retro	PC-SI-0001	-	5	5	-	-	4	5	5	-	24	4.00
PC9132	Stormwater Pond Retro	PC-PC-0055	-	5	5	-	-	3	5	4	-	22	3.67
PC9133	Stormwater Pond Retro	PC-PC-0046	-	5	5	-	-	2	3	2	-	17	2.83
PC9134	Stormwater Pond Retro	PC-SI-0015	-	5	3	-	-	2	4	3	-	17	2.83
PC9135	Stormwater Pond Retro	PC-RA-0005	-	5	5	-	-	5	5	5	-	25	4.17
PC9136	Stormwater Pond Retro	PC-PC-0054	-	4	5	-	-	3	4	3	-	19	3.17
PC9137	Stormwater Pond Retro	PC-RA-0006	-	5	5	-	-	2	4	3	-	19	3.17
PC9138	Stormwater Pond Retro	PC-RA-0010	-	5	5	-	-	1	2	1	-	14	2.33
PC9139	Stormwater Pond Retro	PC-SI-0016	-	4	5	-	-	1	1	1	-	12	2.00
PC9140	Stormwater Pond Retro	PC-RA-0011	-	5	5	-	-	5	5	5	-	25	4.17
PC9001B	Stream Restoration	PC-SR-0024	5	-	3	5	4	5	-	5	-	27	3.86
PC9004A	Stream Restoration	PC-SR-0020	2	-	3	2	3	5	-	5	-	20	2.86
PC9200	Stream Restoration	PC-PC-0020	2	-	5	2	4	4	-	4	-	21	3.00
PC9201	Stream Restoration	PC-PC-0021	5	-	4	3	4	5	-	5	-	26	3.71
PC9202A	Stream Restoration	PC-SR-0007	5	-	5	4	4	5	-	4	-	27	3.86
PC9203	Stream Restoration	PC-PC-0023	5	-	5	2	5	5	-	4	-	26	3.71
PC9204	Stream Restoration	PC-SR-0007	5	-	5	4	4	3	-	3	-	24	3.43
PC9205	Stream Restoration	PC-PC-0023	5	-	5	2	5	4	-	3	-	24	3.43
PC9206	Stream Restoration	PC-PC-0023	5	-	5	2	5	4	-	3	-	24	3.43
PC9207	Stream Restoration	PC-SR-0010	4	-	4	2	4	4	-	4	-	22	3.14
PC9208	Stream Restoration	PC-SR-0018	5	-	5	2	4	4	-	2	-	22	3.14
PC9209	Stream Restoration	PC-PC-0025	4	-	4	3	3	4	-	3	-	21	3.00
PC9210	Stream Restoration	PC-SR-0013	5	-	5	3	2	5	-	5	-	25	3.57
PC9211A	Stream Restoration	PC-PC-0025	4	-	4	3	3	4	-	3	-	21	3.00
PC9212	Stream Restoration	PC-SR-0015	5	-	4	3	5	5	-	5	-	27	3.86
PC9213	Stream Restoration	PC-PC-0026	5	-	5	4	5	4	-	3	-	26	3.71
PC9214	Stream Restoration	PC-MR-0005	5	-	5	2	5	4	-	4	-	25	3.57
PC9215	Stream Restoration	PC-MR-0005	5	-	5	2	5	3	-	2	-	22	3.14
PC9216	Stream Restoration	PC-PC-0027	5	-	5	2	3	4	-	4	-	23	3.29
PC9217	Stream Restoration	PC-PC-0027	5	-	5	2	3	2	-	2	-	19	2.71

Appendix F: Summary of Source Indicator Scoring

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Channelized Pipes/ Streams	DCIA	SW Outfalls	Saniatary Sewer Crossing	Streambank Deficient	TSS	TN	TP	# of Scored Indicators Score	Sum	Score
PC9218	Stream Restoration	PC-PC-0027	5	-	5	2	3	4	-	4	-	23	3.29
PC9219	Stream Restoration	PC-SR-0017	2	-	3	5	2	4	-	4	-	20	2.86
PC9220	Stream Restoration	PC-SR-0023	2	-	2	5	2	5	-	5	-	21	3.00
PC9221	Stream Restoration	PC-SR-0020	2	-	3	2	3	4	-	4	-	18	2.57
PC9222	Stream Restoration	PC-PC-0033	5	-	5	5	5	5	-	5	-	30	4.29
PC9223	Stream Restoration	PC-SR-0022	3	-	5	2	5	5	-	4	-	24	3.43
PC9224	Stream Restoration	PC-SR-0023	2	-	2	5	2	3	-	3	-	17	2.43
PC9225	Stream Restoration	PC-PC-0036	4	-	5	2	3	5	-	5	-	24	3.43
PC9226	Stream Restoration	PC-PC-0035	5	-	5	5	5	5	-	5	-	30	4.29
PC9227	Stream Restoration	PC-PC-0044	5	-	5	5	3	3	-	2	-	23	3.29
PC9228A	Stream Restoration	PC-PC-0044	5	-	5	5	3	5	-	5	-	28	4.00
PC9229	Stream Restoration	PC-PC-0037	5	-	5	3	5	5	-	5	-	28	4.00
PC9230	Stream Restoration	PC-PC-0050	5	-	5	3	5	4	-	4	-	26	3.71
PC9231	Stream Restoration	PC-PC-0037	5	-	5	3	5	3	-	2	-	23	3.29
PC9232	Stream Restoration	PC-PC-0049	4	-	5	5	4	5	-	5	-	28	4.00
PC9233	Stream Restoration	PC-PC-0045	5	-	5	4	3	5	-	5	-	27	3.86
PC9234	Stream Restoration	PC-PC-0049	4	-	5	5	4	5	-	5	-	28	4.00
PC9235	Stream Restoration	PC-PC-0041	4	-	5	4	5	3	-	3	-	24	3.43
PC9236	Stream Restoration	PC-SI-0008	5	-	4	2	5	3	-	3	-	22	3.14
PC9237	Stream Restoration	PC-SI-0007	5	-	5	2	5	5	-	4	-	26	3.71
PC9238	Stream Restoration	PC-SI-0007	5	-	5	2	5	3	-	2	-	22	3.14
PC9239	Stream Restoration	PC-SI-0007	5	-	5	2	5	3	-	3	-	23	3.29
PC9240	Stream Restoration	PC-SI-0009	4	-	5	4	4	5	-	5	-	27	3.86
PC9241	Stream Restoration	PC-SI-0009	4	-	5	4	4	5	-	5	-	27	3.86
PC9242	Stream Restoration	PC-PC-0049	4	-	5	5	4	4	-	5	-	27	3.86
PC9243	Stream Restoration	PC-SI-0005	3	-	5	2	3	4	-	4	-	21	3.00
PC9244	Stream Restoration	PC-PC-0048	5	-	5	5	4	4	-	2	-	25	3.57
PC9245	Stream Restoration	PC-PC-0042	4	-	5	2	5	5	-	4	-	25	3.57
PC9246	Stream Restoration	PC-SI-0005	3	-	5	2	3	4	-	5	-	22	3.14
PC9247A	Stream Restoration	PC-SI-0005	3	-	5	2	3	4	-	4	-	21	3.00
PC9248	Stream Restoration	PC-RA-0001	5	-	5	2	4	5	-	5	-	26	3.71
PC9249	Stream Restoration	PC-PC-0046	5	-	5	4	4	5	-	5	-	28	4.00
PC9250	Stream Restoration	PC-SI-0010	5	-	5	3	3	5	-	5	-	26	3.71
PC9251	Stream Restoration	PC-PC-0053	5	-	5	2	4	4	-	4	-	24	3.43
PC9252	Stream Restoration	PC-PC-0052	5	-	5	3	5	4	-	4	-	26	3.71
PC9253	Stream Restoration	PC-PC-0052	5	-	5	3	5	3	-	2	-	23	3.29
PC9254	Stream Restoration	PC-SI-0013	4	-	5	3	4	5	-	5	-	26	3.71
PC9255	Stream Restoration	PC-PC-0053	5	-	5	2	4	4	-	3	-	23	3.29
PC9256	Stream Restoration	PC-RA-0004	5	-	4	4	5	5	-	5	-	28	4.00
PC9257	Stream Restoration	PC-PC-0054	5	-	5	3	4	5	-	4	-	26	3.71
PC9258	Stream Restoration	PC-PC-0054	5	-	5	3	4	4	-	3	-	24	3.43
PC9259	Stream Restoration	PC-RA-0005	5	-	5	2	5	5	-	4	-	26	3.71
PC9260	Stream Restoration	PC-RA-0006	5	-	5	3	5	5	-	4	-	27	3.86
PC9261	Stream Restoration	PC-SI-0015	5	-	3	4	5	4	-	3	-	24	3.43
PC9262	Stream Restoration	PC-SI-0015	5	-	3	4	5	5	-	5	-	27	3.86
PC9263	Stream Restoration	PC-RA-0008	5	-	5	5	5	5	-	5	-	30	4.29

Appendix F: Summary of Source Indicator Scoring

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Channelized Pipes/ Streams	DCIA	SW Outfalls	Saniatary Sewer Crossing	Streambank Deficient	TSS	TN	TP	# of Scored Indicators Score	Sum	Score
PC9264	Stream Restoration	PC-SI-0016	5	-	5	2	5	4	-	3	-	24	3.43
PC9265	Stream Restoration	PC-RA-0010	5	-	5	2	4	5	-	5	-	26	3.71
PC9266	Stream Restoration	PC-RA-0009	4	-	4	3	3	4	-	4	-	22	3.14
PC9267	Stream Restoration	PC-RA-0009	4	-	4	3	3	3	-	3	-	20	2.86
PC9268	Stream Restoration	PC-RA-0013	5	-	5	5	3	5	-	5	-	28	4.00
PC9269	Stream Restoration	PC-RA-0014	5	-	4	5	5	5	-	4	-	28	4.00
PC9001	Suite of Projects	PC-SR-0024	0	0	0	0	0	5	5	5	-	15	3.75
PC9536	Suite of Projects	PC-SI-0006	0	0	0	0	0	1	1	1	-	3	0.75
PC9540	Suite of Projects	PC-SI-0010	0	0	0	0	0	1	1	1	-	3	0.75
PC9542	Suite of Projects	PC-PC-0046	0	0	0	0	0	1	1	1	-	3	0.75
PC9544	Suite of Projects	PC-PC-0053	0	0	0	0	0	2	4	3	-	9	2.25
PC9546	Suite of Projects	PC-RA-0004	0	0	0	0	0	2	3	3	-	8	2.00
PC9550	Suite of Projects	PC-SI-0015	0	0	0	0	0	2	4	3	-	9	2.25

Appendix G: Priority Subwatershed Scoring

Appendix G:Priority Subwatershed Scoring

PRJ_ID_LEG	PRJ_TYPE	Subwatershed	FWO SWR Composite Score	Applied Score
PC9001	Suite of Projects	PC-SR-0024	5.81	1
PC9002	BMP/LID	PC-RA-0004	4.40	5
PC9003	Stormwater Pond Retrofit	PC-SR-0022	5.16	3
PC9004	Suite of Projects	PC-SR-0020	5.62	2
PC9007	Stormwater Pond Retrofit	PC-SR-0020	5.62	2
PC9008	Stormwater Pond Retrofit	PC-SR-0026	5.53	2
PC9100	Stormwater Pond Retrofit	PC-PC-0007	6.12	1
PC9101	Stormwater Pond Retrofit	PC-PC-0012	5.92	1
PC9102	Stormwater Pond Retrofit	PC-PC-0009	5.55	2
PC9103	Stormwater Pond Retrofit	PC-PC-0009	5.55	2
PC9104	Stormwater Pond Retrofit	PC-PC-0009	5.55	2
PC9105	Stormwater Pond Retrofit	PC-PC-0019	5.96	1
PC9106	Stormwater Pond Retrofit	PC-SL-0002	5.13	3
PC9107	Stormwater Pond Retrofit	PC-PC-0021	5.50	2
PC9108	Stormwater Pond Retrofit	PC-SR-0018	5.87	1
PC9109	Stormwater Pond Retrofit	PC-MR-0002	5.63	2
PC9110	Stormwater Pond Retrofit	PC-SR-0013	5.64	2
PC9111	Stormwater Pond Retrofit	PC-PC-0026	5.82	1
PC9112	Stormwater Pond Retrofit	PC-MR-0004	5.77	2
PC9113	Stormwater Pond Retrofit	PC-PC-0026	5.82	1
PC9114	Stormwater Pond Retrofit	PC-PR-0001	5.61	2
PC9115	Stormwater Pond Retrofit	PC-PC-0026	5.82	1
PC9116	Stormwater Pond Retrofit	PC-PC-0026	5.82	1
PC9117	Stormwater Pond Retrofit	PC-PC-0026	5.82	1
PC9118	Stormwater Pond Retrofit	PC-SB-0001	5.37	3
PC9119	Stormwater Pond Retrofit	PC-PC-0028	4.80	4
PC9120	Stormwater Pond Retrofit	PC-PR-0002	6.19	1
PC9121	Stormwater Pond Retrofit	PC-SR-0020	5.62	2
PC9122	Stormwater Pond Retrofit	PC-PC-0034	4.49	5
PC9123	Stormwater Pond Retrofit	PC-CY-0002	6.03	1
PC9124	Stormwater Pond Retrofit	PC-OS-0001	5.75	2
PC9125	Stormwater Pond Retrofit	PC-PC-0050	4.68	4
PC9126	Stormwater Pond Retrofit	PC-PC-0044	5.19	3
PC9127	Stormwater Pond Retrofit	PC-SI-0004	5.32	3
PC9128	Stormwater Pond Retrofit	PC-SI-0006	5.31	3
PC9129	Stormwater Pond Retrofit	PC-SI-0008	4.57	5
PC9130	Stormwater Pond Retrofit	PC-SI-0001	4.99	4
PC9131	Stormwater Pond Retrofit	PC-SI-0001	4.99	4
PC9132	Stormwater Pond Retrofit	PC-PC-0055	5.65	2
PC9133	Stormwater Pond Retrofit	PC-PC-0046	4.84	4
PC9134	Stormwater Pond Retrofit	PC-SI-0015	4.41	5
PC9135	Stormwater Pond Retrofit	PC-RA-0005	4.51	5
PC9136	Stormwater Pond Retrofit	PC-PC-0054	4.65	5
PC9137	Stormwater Pond Retrofit	PC-RA-0006	4.52	5

Appendix G:Priority Subwatershed Scoring

PRJ_ID_LEG	PRJ_TYPE	Subwatershed	FWO SWR Composite Score	Applied Score
PC9138	Stormwater Pond Retrofit	PC-RA-0010	5.04	4
PC9139	Stormwater Pond Retrofit	PC-SI-0016	4.31	5
PC9140	Stormwater Pond Retrofit	PC-RA-0011	6.28	1
PC9200	Stream Restoration	PC-PC-0020	5.74	2
PC9201	Stream Restoration	PC-PC-0021	5.50	2
PC9202	Suite of Projects	PC-SR-0007	4.73	4
PC9203	Stream Restoration	PC-PC-0023	5.05	4
PC9204	Stream Restoration	PC-SR-0007	4.73	4
PC9205	Stream Restoration	PC-PC-0023	5.05	4
PC9206	Stream Restoration	PC-PC-0023	5.05	4
PC9207	Stream Restoration	PC-SR-0010	5.67	2
PC9208	Stream Restoration	PC-SR-0018	5.87	1
PC9209	Stream Restoration	PC-PC-0025	5.77	2
PC9210	Stream Restoration	PC-SR-0013	5.64	2
PC9211	Suite of Projects	PC-PC-0025	5.77	2
PC9212	Stream Restoration	PC-SR-0015	5.83	1
PC9213	Stream Restoration	PC-PC-0026	5.82	1
PC9214	Stream Restoration	PC-MR-0005	5.89	1
PC9215	Stream Restoration	PC-MR-0005	5.89	1
PC9216	Stream Restoration	PC-PC-0027	5.59	2
PC9217	Stream Restoration	PC-PC-0027	5.59	2
PC9218	Stream Restoration	PC-PC-0027	5.59	2
PC9219	Stream Restoration	PC-SR-0017	7.47	1
PC9220	Stream Restoration	PC-SR-0023	5.88	1
PC9221	Stream Restoration	PC-SR-0020	5.62	2
PC9222	Stream Restoration	PC-PC-0033	4.91	4
PC9223	Stream Restoration	PC-SR-0022	5.16	3
PC9224	Stream Restoration	PC-SR-0023	5.88	1
PC9225	Stream Restoration	PC-PC-0036	4.94	4
PC9226	Stream Restoration	PC-PC-0035	5.12	3
PC9227	Stream Restoration	PC-PC-0044	5.19	3
PC9228	Suite of Projects	PC-PC-0044	5.19	3
PC9229	Stream Restoration	PC-PC-0037	4.63	5
PC9230	Stream Restoration	PC-PC-0050	4.68	4
PC9231	Stream Restoration	PC-PC-0037	4.63	5
PC9232	Stream Restoration	PC-PC-0049	5.23	3
PC9233	Stream Restoration	PC-PC-0045	5.27	3
PC9234	Stream Restoration	PC-PC-0049	5.23	3
PC9235	Stream Restoration	PC-PC-0041	5.37	3
PC9236	Stream Restoration	PC-SI-0008	4.57	5
PC9237	Stream Restoration	PC-SI-0007	4.83	4
PC9238	Stream Restoration	PC-SI-0007	4.83	4
PC9239	Stream Restoration	PC-SI-0007	4.83	4
PC9240	Stream Restoration	PC-SI-0009	4.53	5

Appendix G:Priority Subwatershed Scoring

PRJ_ID_LEG	PRJ_TYPE	Subwatershed	FWO SWR Composite Score	Applied Score
PC9241	Stream Restoration	PC-SI-0009	4.53	5
PC9242	Stream Restoration	PC-PC-0049	5.23	3
PC9243	Stream Restoration	PC-SI-0005	5.49	2
PC9244	Stream Restoration	PC-PC-0048	5.57	2
PC9245	Stream Restoration	PC-PC-0042	5.34	3
PC9246	Stream Restoration	PC-SI-0005	5.49	2
PC9247	Suite of Projects	PC-SI-0005	5.49	2
PC9248	Stream Restoration	PC-RA-0001	5.71	2
PC9249	Stream Restoration	PC-PC-0046	4.84	4
PC9250	Stream Restoration	PC-SI-0010	5.22	3
PC9251	Stream Restoration	PC-PC-0053	4.84	4
PC9252	Stream Restoration	PC-PC-0052	4.80	4
PC9253	Stream Restoration	PC-PC-0052	4.80	4
PC9254	Stream Restoration	PC-SI-0013	4.27	5
PC9255	Stream Restoration	PC-PC-0053	4.84	4
PC9256	Stream Restoration	PC-RA-0004	4.40	5
PC9257	Stream Restoration	PC-PC-0054	4.65	5
PC9258	Stream Restoration	PC-PC-0054	4.65	5
PC9259	Stream Restoration	PC-RA-0005	4.51	5
PC9260	Stream Restoration	PC-RA-0006	4.52	5
PC9261	Stream Restoration	PC-SI-0015	4.41	5
PC9262	Stream Restoration	PC-SI-0015	4.41	5
PC9263	Stream Restoration	PC-RA-0008	5.01	4
PC9264	Stream Restoration	PC-SI-0016	4.31	5
PC9265	Stream Restoration	PC-RA-0010	5.04	4
PC9266	Stream Restoration	PC-RA-0009	5.20	3
PC9267	Stream Restoration	PC-RA-0009	5.20	3
PC9268	Stream Restoration	PC-RA-0013	4.56	5
PC9269	Stream Restoration	PC-RA-0014	4.82	4
PC9500	BMP/LID	PC-PC-0007	6.12	1
PC9501	BMP/LID	PC-PC-0007	6.12	1
PC9502	BMP/LID	PC-PC-0012	5.92	1
PC9503	BMP/LID	PC-PC-0013	5.87	1
PC9504	BMP/LID	PC-PC-0012	5.92	1
PC9505	BMP/LID	PC-PC-0013	5.87	1
PC9506	BMP/LID	PC-SL-0001	5.77	2
PC9507	BMP/LID	PC-PC-0021	5.50	2
PC9508	Suite of Projects	PC-SR-0005	5.79	2
PC9509	BMP/LID	PC-SR-0004	5.62	2
PC9510	Suite of Projects	PC-SR-0011	6.06	1
PC9511	BMP/LID	PC-MR-0005	5.89	1
PC9512	BMP/LID	PC-PR-0001	5.61	2
PC9513	BMP/LID	PC-PC-0028	4.80	4
PC9514	BMP/LID	PC-PC-0028	4.80	4

Appendix G:Priority Subwatershed Scoring

PRJ_ID_LEG	PRJ_TYPE	Subwatershed	FWO SWR Composite Score	Applied Score
PC9515	Suite of Projects	PC-MR-0006	5.48	3
PC9516	BMP/LID	PC-PC-0033	4.91	4
PC9517	Suite of Projects	PC-PR-0002	6.19	1
PC9518	BMP/LID	PC-PR-0002	6.19	1
PC9519	Suite of Projects	PC-PC-0028	4.80	4
PC9520	BMP/LID	PC-PC-0029	5.25	3
PC9521	BMP/LID	PC-PC-0029	5.25	3
PC9522	BMP/LID	PC-PC-0031	5.29	3
PC9523	BMP/LID	PC-CY-0002	6.03	1
PC9524	BMP/LID	PC-CY-0003	5.89	1
PC9525	BMP/LID	PC-PC-0039	5.01	4
PC9526	BMP/LID	PC-OS-0001	5.75	2
PC9527	BMP/LID	PC-PC-0044	5.19	3
PC9528	BMP/LID	PC-PC-0049	5.23	3
PC9529	BMP/LID	PC-PC-0035	5.12	3
PC9530	BMP/LID	PC-PC-0049	5.23	3
PC9531	Suite of Projects	PC-SI-0004	5.32	3
PC9532	BMP/LID	PC-PC-0035	5.12	3
PC9533	BMP/LID	PC-SR-0026	5.53	2
PC9534	BMP/LID	PC-SI-0003	5.34	3
PC9535	BMP/LID	PC-SI-0008	4.57	5
PC9536	Suite of Projects	PC-SI-0006	5.31	3
PC9537	BMP/LID	PC-PC-0040	5.45	3
PC9538	BMP/LID	PC-SI-0009	4.53	5
PC9539	BMP/LID	PC-SI-0011	4.30	5
PC9540	Suite of Projects	PC-SI-0010	5.22	3
PC9541	BMP/LID	PC-SI-0012	5.44	3
PC9542	Suite of Projects	PC-PC-0046	4.84	4
PC9543	BMP/LID	PC-PC-0051	5.31	3
PC9544	Suite of Projects	PC-PC-0053	4.84	4
PC9545	BMP/LID	PC-SI-0014	4.55	5
PC9546	Suite of Projects	PC-RA-0004	4.40	5
PC9547	BMP/LID	PC-RA-0005	4.51	5
PC9548	BMP/LID	PC-RA-0006	4.52	5
PC9549	BMP/LID	PC-RA-0005	4.51	5
PC9550	Suite of Projects	PC-SI-0015	4.41	5
PC9551	BMP/LID	PC-SI-0015	4.41	5
PC9552	BMP/LID	PC-RA-0012	5.13	3
PC9553	BMP/LID	PC-RA-0012	5.13	3
PC9554	BMP/LID	PC-RA-0011	6.28	1
PC9700	Outfall Improvement	PC-PC-0013	5.87	1
PC9701	Outfall Improvement	PC-PC-0019	5.96	1
PC9702	Outfall Improvement	PC-SI-0009	4.53	5
PC9703	Outfall Improvement	PC-SI-0001	4.99	4

Appendix G:Priority Subwatershed Scoring

PRJ_ID_LEG	PRJ_TYPE	Subwatershed	FWO SWR Composite Score	Applied Score
PC9704	Outfall Improvement	PC-PC-0046	4.84	4
PC9705	Outfall Improvement	PC-SI-0011	4.30	5

Priority Subwatershed Scoring Section

Percentile	Subwatershed Impact Overall Composite Score	Preliminary Score
80%	5.80	1
60%	5.49	2
40%	5.12	3
20%	4.68	4
0%	4.27	5

Appendix H: Sequencing Scoring

Appendix H: Sequencing Scoring

(Subwatershed Order of 1 = headwater and is given highest score)

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Sub-watershed Order	Applied Score
PC9001	Suite of Projects	PC-SR-0024	1	5
PC9002	BMP/LID	PC-RA-0004	2	4
PC9003	Stormwater Pond Retrofit	PC-SR-0022	1	5
PC9004	Suite of Projects	PC-SR-0020	2	4
PC9007	Stormwater Pond Retrofit	PC-SR-0020	2	4
PC9008	Stormwater Pond Retrofit	PC-SR-0026	1	5
PC9100	Stormwater Pond Retrofit	PC-PC-0007	13	1
PC9101	Stormwater Pond Retrofit	PC-PC-0012	1	5
PC9102	Stormwater Pond Retrofit	PC-PC-0009	1	5
PC9103	Stormwater Pond Retrofit	PC-PC-0009	1	5
PC9104	Stormwater Pond Retrofit	PC-PC-0009	1	5
PC9105	Stormwater Pond Retrofit	PC-PC-0019	1	5
PC9106	Stormwater Pond Retrofit	PC-SL-0002	1	5
PC9107	Stormwater Pond Retrofit	PC-PC-0021	2	4
PC9108	Stormwater Pond Retrofit	PC-SR-0018	5	2
PC9109	Stormwater Pond Retrofit	PC-MR-0002	3	2
PC9110	Stormwater Pond Retrofit	PC-SR-0013	1	5
PC9111	Stormwater Pond Retrofit	PC-PC-0026	11	1
PC9112	Stormwater Pond Retrofit	PC-MR-0004	3	2
PC9113	Stormwater Pond Retrofit	PC-PC-0026	11	1
PC9114	Stormwater Pond Retrofit	PC-PR-0001	2	4
PC9115	Stormwater Pond Retrofit	PC-PC-0026	11	1
PC9116	Stormwater Pond Retrofit	PC-PC-0026	11	1
PC9117	Stormwater Pond Retrofit	PC-PC-0026	11	1
PC9118	Stormwater Pond Retrofit	PC-SB-0001	1	5
PC9119	Stormwater Pond Retrofit	PC-PC-0028	11	1
PC9120	Stormwater Pond Retrofit	PC-PR-0002	1	5
PC9121	Stormwater Pond Retrofit	PC-SR-0020	2	4
PC9122	Stormwater Pond Retrofit	PC-PC-0034	1	5
PC9123	Stormwater Pond Retrofit	PC-CY-0002	2	4
PC9124	Stormwater Pond Retrofit	PC-OS-0001	2	4
PC9125	Stormwater Pond Retrofit	PC-PC-0050	1	5
PC9126	Stormwater Pond Retrofit	PC-PC-0044	1	5
PC9127	Stormwater Pond Retrofit	PC-SI-0004	1	5
PC9128	Stormwater Pond Retrofit	PC-SI-0006	1	5
PC9129	Stormwater Pond Retrofit	PC-SI-0008	1	5
PC9130	Stormwater Pond Retrofit	PC-SI-0001	1	5
PC9131	Stormwater Pond Retrofit	PC-SI-0001	1	5
PC9132	Stormwater Pond Retrofit	PC-PC-0055	6	2
PC9133	Stormwater Pond Retrofit	PC-PC-0046	1	5
PC9134	Stormwater Pond Retrofit	PC-SI-0015	2	4
PC9135	Stormwater Pond Retrofit	PC-RA-0005	1	5
PC9136	Stormwater Pond Retrofit	PC-PC-0054	1	5

Appendix H: Sequencing Scoring

(Subwatershed Order of 1 = headwater and is given highest score)

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Sub-watershed Order	Applied Score
PC9137	Stormwater Pond Retrofit	PC-RA-0006	1	5
PC9138	Stormwater Pond Retrofit	PC-RA-0010	2	4
PC9139	Stormwater Pond Retrofit	PC-SI-0016	1	5
PC9140	Stormwater Pond Retrofit	PC-RA-0011	1	5
PC9200	Stream Restoration	PC-PC-0020	12	1
PC9201	Stream Restoration	PC-PC-0021	2	4
PC9202	Suite of Projects	PC-SR-0007	1	5
PC9203	Stream Restoration	PC-PC-0023	1	5
PC9204	Stream Restoration	PC-SR-0007	1	5
PC9205	Stream Restoration	PC-PC-0023	1	5
PC9206	Stream Restoration	PC-PC-0023	1	5
PC9207	Stream Restoration	PC-SR-0010	4	2
PC9208	Stream Restoration	PC-SR-0018	5	2
PC9209	Stream Restoration	PC-PC-0025	11	1
PC9210	Stream Restoration	PC-SR-0013	1	5
PC9211	Suite of Projects	PC-PC-0025	11	1
PC9212	Stream Restoration	PC-SR-0015	1	5
PC9213	Stream Restoration	PC-PC-0026	11	1
PC9214	Stream Restoration	PC-MR-0005	3	2
PC9215	Stream Restoration	PC-MR-0005	3	2
PC9216	Stream Restoration	PC-PC-0027	11	1
PC9217	Stream Restoration	PC-PC-0027	11	1
PC9218	Stream Restoration	PC-PC-0027	11	1
PC9219	Stream Restoration	PC-SR-0017	4	2
PC9220	Stream Restoration	PC-SR-0023	3	2
PC9221	Stream Restoration	PC-SR-0020	2	4
PC9222	Stream Restoration	PC-PC-0033	1	5
PC9223	Stream Restoration	PC-SR-0022	1	5
PC9224	Stream Restoration	PC-SR-0023	3	2
PC9225	Stream Restoration	PC-PC-0036	2	4
PC9226	Stream Restoration	PC-PC-0035	1	5
PC9227	Stream Restoration	PC-PC-0044	1	5
PC9228	Suite of Projects	PC-PC-0044	1	5
PC9229	Stream Restoration	PC-PC-0037	1	5
PC9230	Stream Restoration	PC-PC-0050	1	5
PC9231	Stream Restoration	PC-PC-0037	1	5
PC9232	Stream Restoration	PC-PC-0049	2	4
PC9233	Stream Restoration	PC-PC-0045	8	2
PC9234	Stream Restoration	PC-PC-0049	2	4
PC9235	Stream Restoration	PC-PC-0041	1	5
PC9236	Stream Restoration	PC-SI-0008	1	5
PC9237	Stream Restoration	PC-SI-0007	2	4
PC9238	Stream Restoration	PC-SI-0007	2	4

Appendix H: Sequencing Scoring

(Subwatershed Order of 1 = headwater and is given highest score)

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Sub-watershed Order	Applied Score
PC9239	Stream Restoration	PC-SI-0007	2	4
PC9240	Stream Restoration	PC-SI-0009	1	5
PC9241	Stream Restoration	PC-SI-0009	1	5
PC9242	Stream Restoration	PC-PC-0049	2	4
PC9243	Stream Restoration	PC-SI-0005	3	2
PC9244	Stream Restoration	PC-PC-0048	7	2
PC9245	Stream Restoration	PC-PC-0042	1	5
PC9246	Stream Restoration	PC-SI-0005	3	2
PC9247	Suite of Projects	PC-SI-0005	3	2
PC9248	Stream Restoration	PC-RA-0001	5	2
PC9249	Stream Restoration	PC-PC-0046	1	5
PC9250	Stream Restoration	PC-SI-0010	2	4
PC9251	Stream Restoration	PC-PC-0053	1	5
PC9252	Stream Restoration	PC-PC-0052	1	5
PC9253	Stream Restoration	PC-PC-0052	1	5
PC9254	Stream Restoration	PC-SI-0013	1	5
PC9255	Stream Restoration	PC-PC-0053	1	5
PC9256	Stream Restoration	PC-RA-0004	2	4
PC9257	Stream Restoration	PC-PC-0054	1	5
PC9258	Stream Restoration	PC-PC-0054	1	5
PC9259	Stream Restoration	PC-RA-0005	1	5
PC9260	Stream Restoration	PC-RA-0006	1	5
PC9261	Stream Restoration	PC-SI-0015	2	4
PC9262	Stream Restoration	PC-SI-0015	2	4
PC9263	Stream Restoration	PC-RA-0008	1	5
PC9264	Stream Restoration	PC-SI-0016	1	5
PC9265	Stream Restoration	PC-RA-0010	2	4
PC9266	Stream Restoration	PC-RA-0009	3	2
PC9267	Stream Restoration	PC-RA-0009	3	2
PC9268	Stream Restoration	PC-RA-0013	2	4
PC9269	Stream Restoration	PC-RA-0014	1	5
PC9500	BMP/LID	PC-PC-0007	13	1
PC9501	BMP/LID	PC-PC-0007	13	1
PC9502	BMP/LID	PC-PC-0012	1	5
PC9503	BMP/LID	PC-PC-0013	13	1
PC9504	BMP/LID	PC-PC-0012	1	5
PC9505	BMP/LID	PC-PC-0013	13	1
PC9506	BMP/LID	PC-SL-0001	2	4
PC9507	BMP/LID	PC-PC-0021	2	4
PC9508	Suite of Projects	PC-SR-0005	5	2
PC9509	BMP/LID	PC-SR-0004	1	5
PC9510	Suite of Projects	PC-SR-0011	4	2
PC9511	BMP/LID	PC-MR-0005	3	2

Appendix H: Sequencing Scoring

(Subwatershed Order of 1 = headwater and is given highest score)

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Sub-watershed Order	Applied Score
PC9512	BMP/LID	PC-PR-0001	2	4
PC9513	BMP/LID	PC-PC-0028	11	1
PC9514	BMP/LID	PC-PC-0028	11	1
PC9515	Suite of Projects	PC-MR-0006	1	5
PC9516	BMP/LID	PC-PC-0033	1	5
PC9517	Suite of Projects	PC-PR-0002	1	5
PC9518	BMP/LID	PC-PR-0002	1	5
PC9519	Suite of Projects	PC-PC-0028	11	1
PC9520	BMP/LID	PC-PC-0029	11	1
PC9521	BMP/LID	PC-PC-0029	11	1
PC9522	BMP/LID	PC-PC-0031	11	1
PC9523	BMP/LID	PC-CY-0002	2	4
PC9524	BMP/LID	PC-CY-0003	1	5
PC9525	BMP/LID	PC-PC-0039	2	4
PC9526	BMP/LID	PC-OS-0001	2	4
PC9527	BMP/LID	PC-PC-0044	1	5
PC9528	BMP/LID	PC-PC-0049	2	4
PC9529	BMP/LID	PC-PC-0035	1	5
PC9530	BMP/LID	PC-PC-0049	2	4
PC9531	Suite of Projects	PC-SI-0004	1	5
PC9532	BMP/LID	PC-PC-0035	1	5
PC9533	BMP/LID	PC-SR-0026	1	5
PC9534	BMP/LID	PC-SI-0003	2	4
PC9535	BMP/LID	PC-SI-0008	1	5
PC9536	Suite of Projects	PC-SI-0006	1	5
PC9537	BMP/LID	PC-PC-0040	2	4
PC9538	BMP/LID	PC-SI-0009	1	5
PC9539	BMP/LID	PC-SI-0011	1	5
PC9540	Suite of Projects	PC-SI-0010	2	4
PC9541	BMP/LID	PC-SI-0012	2	4
PC9542	Suite of Projects	PC-PC-0046	1	5
PC9543	BMP/LID	PC-PC-0051	2	4
PC9544	Suite of Projects	PC-PC-0053	1	5
PC9545	BMP/LID	PC-SI-0014	2	4
PC9546	Suite of Projects	PC-RA-0004	2	4
PC9547	BMP/LID	PC-RA-0005	1	5
PC9548	BMP/LID	PC-RA-0006	1	5
PC9549	BMP/LID	PC-RA-0005	1	5
PC9550	Suite of Projects	PC-SI-0015	2	4
PC9551	BMP/LID	PC-SI-0015	2	4
PC9552	BMP/LID	PC-RA-0012	1	5
PC9553	BMP/LID	PC-RA-0012	1	5
PC9554	BMP/LID	PC-RA-0011	1	5

Appendix H: Sequencing Scoring

(Subwatershed Order of 1 = headwater and is given highest score)

PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Sub-watershed Order	Applied Score
PC9700	Outfall Improvement	PC-PC-0013	13	3
PC9701	Outfall Improvement	PC-PC-0019	1	5
PC9702	Outfall Improvement	PC-SI-0009	1	5
PC9703	Outfall Improvement	PC-SI-0001	1	5
PC9704	Outfall Improvement	PC-PC-0046	1	5
PC9705	Outfall Improvement	PC-SI-0011	1	5

Percentile	Subwatershed Order	Preliminary Score
90%	11.00	1
80%	3.00	2
75%	3.00	3
60%	2.00	4
0%	1.00	5

Appendix I: Implementability Scoring

Appendix I: Implementability Scoring

PRJ_ID_LEG	PRJ_TYPE	Subwatershed	County Maintained	Additional Ease. Req.	ICEM Stage Value	Upstream Runoff Red. Req.?	Project Location	Score
PC9001	Suite of Projects	PC-SR-0024	Yes	No	2.0	No	D	5
PC9001A	Stormwater Pond Retrofit	PC-SR-0024	Yes	No	2.0	No	D	5
PC9001B	Stream Restoration	PC-SR-0024	Yes	No	2.0	Yes	C	5
PC9002	BMP/LID	PC-RA-0004	No	No	3.0	No	E	3
PC9003	Stormwater Pond Retrofit	PC-SR-0022	Yes	Yes	3.0	Yes	D	1
PC9004	Suite of Projects	PC-SR-0020	No	No	2.7	Yes	E	1
PC9004A	Stream Restoration	PC-SR-0020	No	No	2.7	Yes	E	1
PC9007	Stormwater Pond Retrofit	PC-SR-0020	No	Yes	2.7	Yes	E	1
PC9008	Stormwater Pond Retrofit	PC-SR-0026	Yes	Yes	4.0	Yes	C	1
PC9100	Stormwater Pond Retrofit	PC-PC-0007	Yes	No	3.3	Yes	C	5
PC9101	Stormwater Pond Retrofit	PC-PC-0012	Yes	Yes	3.0	No	C	3
PC9102	Stormwater Pond Retrofit	PC-PC-0009	No	No	3.0	Yes	E	5
PC9103	Stormwater Pond Retrofit	PC-PC-0009	Yes	No	3.0	Yes	B	5
PC9104	Stormwater Pond Retrofit	PC-PC-0009	Yes	No	3.0	No	B	5
PC9105	Stormwater Pond Retrofit	PC-PC-0019	No	Yes	3.0	No	E	3
PC9106	Stormwater Pond Retrofit	PC-SL-0002	Yes	No	3.0	No	C	5
PC9107	Stormwater Pond Retrofit	PC-PC-0021	No	No	3.5	No	E	5
PC9108	Stormwater Pond Retrofit	PC-SR-0018	No	No	3.3	No	E	5
PC9109	Stormwater Pond Retrofit	PC-MR-0002	Yes	No	4.0	No	C	5
PC9110	Stormwater Pond Retrofit	PC-SR-0013	Yes	Yes	3.0	Yes	C	1
PC9111	Stormwater Pond Retrofit	PC-PC-0026	No	Yes	3.0	No	E	3
PC9112	Stormwater Pond Retrofit	PC-MR-0004	Yes	Yes	3.0	Yes	C	1
PC9113	Stormwater Pond Retrofit	PC-PC-0026	Yes	No	3.0	No	D	5
PC9114	Stormwater Pond Retrofit	PC-PR-0001	No	No	3.5	Yes	B	5
PC9115	Stormwater Pond Retrofit	PC-PC-0026	No	Yes	3.0	No	C	3
PC9116	Stormwater Pond Retrofit	PC-PC-0026	No	No	3.0	Yes	G	5
PC9117	Stormwater Pond Retrofit	PC-PC-0026	No	Yes	3.0	Yes	E	1
PC9118	Stormwater Pond Retrofit	PC-SB-0001	No	Yes	3.0	No	F	3
PC9119	Stormwater Pond Retrofit	PC-PC-0028	No	No	3.0	No	E	5
PC9120	Stormwater Pond Retrofit	PC-PR-0002	No	Yes	4.0	No	A	3
PC9121	Stormwater Pond Retrofit	PC-SR-0020	No	Yes	2.7	No	E	3
PC9122	Stormwater Pond Retrofit	PC-PC-0034	No	Yes	3.0	No	E	3
PC9123	Stormwater Pond Retrofit	PC-CY-0002	No	No	3.5	No	F	5
PC9124	Stormwater Pond Retrofit	PC-OS-0001	Yes	No	3.0	No	C	5
PC9125	Stormwater Pond Retrofit	PC-PC-0050	No	Yes	3.0	Yes	E	1
PC9126	Stormwater Pond Retrofit	PC-PC-0044	Yes	No	3.0	No	B	5
PC9127	Stormwater Pond Retrofit	PC-SI-0004	No	Yes	3.0	Yes	H	1
PC9128	Stormwater Pond Retrofit	PC-SI-0006	Yes	Yes	3.0	Yes	C	1
PC9129	Stormwater Pond Retrofit	PC-SI-0008	Yes	No	3.0	No	C	5
PC9130	Stormwater Pond Retrofit	PC-SI-0001	No	Yes	3.0	No	E	3
PC9131	Stormwater Pond Retrofit	PC-SI-0001	No	Yes	3.0	Yes	D	1
PC9132	Stormwater Pond Retrofit	PC-PC-0055	Yes	No	3.1	Yes	D	5

Appendix I: Implementability Scoring

PRJ_ID_LEG	PRJ_TYPE	Subwatershed	County Maintained	Additional Ease. Req.	ICEM Stage Value	Upstream Runoff Red. Req.?	Project Location	Score
PC9133	Stormwater Pond Retrofit	PC-PC-0046	No	No	3.0	Yes	E	5
PC9134	Stormwater Pond Retrofit	PC-SI-0015	No	Yes	3.0	No	E	3
PC9135	Stormwater Pond Retrofit	PC-RA-0005	No	Yes	3.0	Yes	E	1
PC9136	Stormwater Pond Retrofit	PC-PC-0054	Yes	No	3.0	No	D	5
PC9137	Stormwater Pond Retrofit	PC-RA-0006	Yes	Yes	3.0	No	D	3
PC9138	Stormwater Pond Retrofit	PC-RA-0010	No	Yes	3.0	Yes	E	1
PC9139	Stormwater Pond Retrofit	PC-SI-0016	No	No	3.0	Yes	E	5
PC9140	Stormwater Pond Retrofit	PC-RA-0011	No	Yes	3.7	No	E	3
PC9200	Stream Restoration	PC-PC-0020	Yes	Yes	3.2	Yes	C	1
PC9201	Stream Restoration	PC-PC-0021	No	Yes	3.5	Yes	E	1
PC9202A	Stream Restoration	PC-SR-0007	Yes	No	3.0	Yes	D	1
PC9203	Stream Restoration	PC-PC-0023	No	No	3.0	Yes	E	1
PC9204	Stream Restoration	PC-SR-0007	No	Yes	3.0	Yes	C	1
PC9205	Stream Restoration	PC-PC-0023	No	No	3.0	Yes	E	1
PC9206	Stream Restoration	PC-PC-0023	Yes	Yes	3.0	Yes	C	1
PC9207	Stream Restoration	PC-SR-0010	Yes	No	2.8	Yes	C	1
PC9208	Stream Restoration	PC-SR-0018	Yes	Yes	3.3	Yes	C	1
PC9209	Stream Restoration	PC-PC-0025	No	No	3.3	Yes	E	1
PC9210	Stream Restoration	PC-SR-0013	No	No	3.0	Yes	E	1
PC9211A	Stream Restoration	PC-PC-0025	Yes	No	3.3	Yes	D	1
PC9212	Stream Restoration	PC-SR-0015	No	Yes	3.0	Yes	E	1
PC9213	Stream Restoration	PC-PC-0026	Yes	Yes	3.0	Yes	D	1
PC9214	Stream Restoration	PC-MR-0005	No	No	3.0	Yes	E	1
PC9215	Stream Restoration	PC-MR-0005	No	Yes	3.0	Yes	E	1
PC9216	Stream Restoration	PC-PC-0027	No	Yes	2.8	Yes	E	1
PC9217	Stream Restoration	PC-PC-0027	Yes	Yes	2.8	Yes	D	1
PC9218	Stream Restoration	PC-PC-0027	No	Yes	2.8	Yes	G	1
PC9219	Stream Restoration	PC-SR-0017	Yes	No	3.0	Yes	C	1
PC9220	Stream Restoration	PC-SR-0023	Yes	No	3.0	Yes	C	1
PC9221	Stream Restoration	PC-SR-0020	Yes	No	2.7	Yes	C	1
PC9222	Stream Restoration	PC-PC-0033	No	Yes	3.0	Yes	E	1
PC9223	Stream Restoration	PC-SR-0022	No	Yes	3.0	Yes	E	1
PC9224	Stream Restoration	PC-SR-0023	No	Yes	3.0	Yes	F	1
PC9225	Stream Restoration	PC-PC-0036	No	Yes	3.0	Yes	A	1
PC9226	Stream Restoration	PC-PC-0035	No	Yes	3.0	Yes	E	1
PC9227	Stream Restoration	PC-PC-0044	No	No	3.0	Yes	G	1
PC9228A	Stream Restoration	PC-PC-0044	No	No	3.0	Yes	E	1
PC9229	Stream Restoration	PC-PC-0037	Yes	Yes	3.0	Yes	C	1
PC9230	Stream Restoration	PC-PC-0050	No	Yes	3.0	Yes	E	1
PC9231	Stream Restoration	PC-PC-0037	No	No	3.0	Yes	E	1
PC9232	Stream Restoration	PC-PC-0049	No	Yes	3.0	Yes	E	1
PC9233	Stream Restoration	PC-PC-0045	Yes	No	3.1	Yes	C	1

Appendix I: Implementability Scoring

PRJ_ID_LEG	PRJ_TYPE	Subwatershed	County Maintained	Additional Ease. Req.	ICEM Stage Value	Upstream Runoff Red. Req.?	Project Location	Score
PC9234	Stream Restoration	PC-PC-0049	No	Yes	3.0	Yes	E	1
PC9235	Stream Restoration	PC-PC-0041	No	Yes	3.0	Yes	I	1
PC9236	Stream Restoration	PC-SI-0008	No	Yes	3.0	Yes	E	1
PC9237	Stream Restoration	PC-SI-0007	No	Yes	3.0	Yes	E	1
PC9238	Stream Restoration	PC-SI-0007	Yes	Yes	3.0	Yes	D	1
PC9239	Stream Restoration	PC-SI-0007	No	Yes	3.0	Yes	H	1
PC9240	Stream Restoration	PC-SI-0009	Yes	Yes	3.0	Yes	C	1
PC9241	Stream Restoration	PC-SI-0009	No	Yes	3.0	Yes	E	1
PC9242	Stream Restoration	PC-PC-0049	No	No	3.0	Yes	E	1
PC9243	Stream Restoration	PC-SI-0005	No	Yes	3.0	Yes	E	1
PC9244	Stream Restoration	PC-PC-0048	No	No	3.3	Yes	E	1
PC9245	Stream Restoration	PC-PC-0042	No	Yes	3.0	Yes	E	1
PC9246	Stream Restoration	PC-SI-0005	No	No	3.0	Yes	E	1
PC9247A	Stream Restoration	PC-SI-0005	No	Yes	3.0	Yes	E	1
PC9248	Stream Restoration	PC-RA-0001	No	Yes	3.3	Yes	E	1
PC9249	Stream Restoration	PC-PC-0046	No	Yes	3.0	Yes	H	1
PC9250	Stream Restoration	PC-SI-0010	No	No	3.0	Yes	C	1
PC9251	Stream Restoration	PC-PC-0053	No	Yes	3.0	Yes	E	1
PC9252	Stream Restoration	PC-PC-0052	No	No	3.0	Yes	E	1
PC9253	Stream Restoration	PC-PC-0052	No	Yes	3.0	Yes	E	1
PC9254	Stream Restoration	PC-SI-0013	Yes	No	3.0	Yes	C	1
PC9255	Stream Restoration	PC-PC-0053	Yes	Yes	3.0	Yes	D	1
PC9256	Stream Restoration	PC-RA-0004	Yes	No	3.0	Yes	C	1
PC9257	Stream Restoration	PC-PC-0054	No	Yes	3.0	Yes	E	1
PC9258	Stream Restoration	PC-PC-0054	No	Yes	3.0	Yes	E	1
PC9259	Stream Restoration	PC-RA-0005	No	Yes	3.0	Yes	E	1
PC9260	Stream Restoration	PC-RA-0006	Yes	Yes	3.0	Yes	C	1
PC9261	Stream Restoration	PC-SI-0015	Yes	No	3.0	Yes	C	1
PC9262	Stream Restoration	PC-SI-0015	Yes	No	3.0	Yes	C	1
PC9263	Stream Restoration	PC-RA-0008	No	No	3.0	Yes	E	1
PC9264	Stream Restoration	PC-SI-0016	Yes	No	3.0	Yes	C	1
PC9265	Stream Restoration	PC-RA-0010	No	Yes	3.0	Yes	E	1
PC9266	Stream Restoration	PC-RA-0009	Yes	Yes	3.0	Yes	D	1
PC9267	Stream Restoration	PC-RA-0009	No	No	3.0	Yes	E	1
PC9268	Stream Restoration	PC-RA-0013	Yes	Yes	3.0	Yes	C	1
PC9269	Stream Restoration	PC-RA-0014	No	No	3.0	Yes	D	1
PC9500	BMP/LID	PC-PC-0007	Yes	No	3.3	No	C	5
PC9501	BMP/LID	PC-PC-0007	Yes	Yes	3.3	No	C	5
PC9502	BMP/LID	PC-PC-0012	Yes	Yes	3.0	No	B	5
PC9503	BMP/LID	PC-PC-0013	Yes	No	3.0	No	B	5
PC9504	BMP/LID	PC-PC-0012	Yes	No	3.0	No	B	5
PC9505	BMP/LID	PC-PC-0013	No	No	3.0	No	E	3

Appendix I: Implementability Scoring

PRJ_ID_LEG	PRJ_TYPE	Subwatershed	County Maintained	Additional Ease. Req.	ICEM Stage Value	Upstream Runoff Red. Req.?	Project Location	Score
PC9506	BMP/LID	PC-SL-0001	Yes	No	3.7	No	C	5
PC9507	BMP/LID	PC-PC-0021	Yes	No	3.5	No	B	5
PC9508A	BMP/LID	PC-SR-0005	Yes	No	3.5	No	B	5
PC9508B	BMP/LID	PC-SR-0006	Yes	No	3.3	No	B	5
PC9509	BMP/LID	PC-SR-0004	Yes	No	2.0	No	B	5
PC9510A	BMP/LID	PC-SR-0011	Yes	No	3.5	No	C	5
PC9510B	Outfall Improvement	PC-SR-0012	Yes	No	3.5	No	C	1
PC9511	BMP/LID	PC-MR-0005	No	Yes	3.0	No	E	3
PC9512	BMP/LID	PC-PR-0001	Yes	No	3.5	No	B	5
PC9513	BMP/LID	PC-PC-0028	Yes	No	3.0	No	B	5
PC9514	BMP/LID	PC-PC-0028	Yes	No	3.0	No	B	5
PC9515A	BMP/LID	PC-MR-0006	Yes	0.0	3.0	No	B	5
PC9515B	BMP/LID	PC-MR-0006	Yes	No	3.0	No	B	5
PC9516	BMP/LID	PC-PC-0033	Yes	No	3.0	No	B	5
PC9517A	BMP/LID	PC-PR-0002	No	No	4.0	No	E	3
PC9517B	BMP/LID	PC-CY-0003	No	No	4.0	No	E	3
PC9518	BMP/LID	PC-PR-0002	No	No	4.0	No	E	3
PC9519A	BMP/LID	PC-PC-0028	Yes	No	3.0	No	B	5
PC9519B	BMP/LID	PC-PC-0028	Yes	No	3.0	No	B	5
PC9520	BMP/LID	PC-PC-0029	Yes	No	3.0	No	B	5
PC9521	BMP/LID	PC-PC-0029	Yes	No	3.0	No	B	5
PC9522	BMP/LID	PC-PC-0031	No	No	3.0	No	E	3
PC9523	BMP/LID	PC-CY-0002	No	No	3.5	Yes	E	1
PC9524	BMP/LID	PC-CY-0003	No	No	4.0	No	E	3
PC9525	BMP/LID	PC-PC-0039	No	No	3.0	No	E	3
PC9526	BMP/LID	PC-OS-0001	Yes	Yes	3.0	No	C	5
PC9527	BMP/LID	PC-PC-0044	Yes	No	3.0	No	B	5
PC9528	BMP/LID	PC-PC-0049	Yes	No	3.0	No	B	5
PC9529	BMP/LID	PC-PC-0035	Yes	No	3.0	No	B	5
PC9530	BMP/LID	PC-PC-0049	Yes	No	3.0	No	D	5
PC9531A	BMP/LID	PC-SI-0004	No	No	3.0	No	E	3
PC9531B	BMP/LID	PC-SI-0004	Yes	No	3.0	No	B	5
PC9532	BMP/LID	PC-PC-0035	Yes	No	3.0	No	B	5
PC9533	BMP/LID	PC-SR-0026	Yes	No	4.0	No	C	5
PC9534	BMP/LID	PC-SI-0003	No	No	3.0	No	E	3
PC9535	BMP/LID	PC-SI-0008	Yes	No	3.0	No	C	5
PC9536A	BMP/LID	PC-SI-0006	No	No	3.0	No	E	3
PC9536B	BMP/LID	PC-SI-0006	No	No	3.0	No	E	3
PC9537	BMP/LID	PC-PC-0040	No	No	3.0	No	E	3
PC9538	BMP/LID	PC-SI-0009	Yes	No	3.0	No	B	5
PC9539	BMP/LID	PC-SI-0011	No	No	3.0	No	E	3
PC9540A	BMP/LID	PC-SI-0010	Yes	No	3.0	No	B	5

Appendix I: Implementability Scoring

PRJ_ID_LEG	PRJ_TYPE	Subwatershed	County Maintained	Additional Ease. Req.	ICEM Stage Value	Upstream Runoff Red. Req.?	Project Location	Score
PC9540B	BMP/LID	PC-SI-0010	Yes	No	3.0	No	B	5
PC9541	BMP/LID	PC-SI-0012	Yes	No	3.0	No	B	5
PC9542A	BMP/LID	PC-PC-0046	Yes	No	3.0	No	B	5
PC9542B	BMP/LID	PC-PC-0046	Yes	No	3.0	No	B	5
PC9543	BMP/LID	PC-PC-0051	Yes	No	3.0	No	C	5
PC9544	BMP/LID	PC-PC-0053	Yes	No	3.0	No	B	5
PC9544A	BMP/LID	PC-PC-0053	Yes	No	3.0	No	B	5
PC9544B	BMP/LID	PC-PC-0053	Yes	No	3.0	No	B	5
PC9544C	BMP/LID	PC-PC-0052	No	No	3.0	No	E	3
PC9545	BMP/LID	PC-SI-0014	No	No	3.0	No	E	3
PC9546A	BMP/LID	PC-RA-0004	No	No	3.0	No	E	3
PC9546B	BMP/LID	PC-RA-0004	No	No	3.0	No	E	3
PC9547	BMP/LID	PC-RA-0005	No	No	3.0	No	E	3
PC9548	BMP/LID	PC-RA-0006	Yes	No	3.0	No	C	5
PC9549	BMP/LID	PC-RA-0005	No	No	3.0	No	E	3
PC9550A	BMP/LID	PC-SI-0015	No	No	3.0	No	E	3
PC9550B	BMP/LID	PC-SI-0015	Yes	No	3.0	No	B	5
PC9551	BMP/LID	PC-SI-0015	No	No	3.0	No	E	3
PC9552	BMP/LID	PC-RA-0012	No	0.0	3.3	No	E	3
PC9553	BMP/LID	PC-RA-0012	No	No	3.3	No	E	3
PC9554	BMP/LID	PC-RA-0011	No	No	3.7	No	E	3
PC9700	Outfall Improvement	PC-PC-0013	No	No	3.0	No	E	1
PC9701	Outfall Improvement	PC-PC-0019	No	Yes	3.0	No	E	1
PC9702	Outfall Improvement	PC-SI-0009	Yes	No	3.0	No	B	1
PC9703	Outfall Improvement	PC-SI-0001	No	No	3.0	No	E	1
PC9704	Outfall Improvement	PC-PC-0046	No	Yes	3.0	No	A	1
PC9705	Outfall Improvement	PC-SI-0011	Yes	Yes	3.0	No	D	1

A = Other owned
B = Behind School, County owned
C = County owned
D = County owned, Behind house
E = Private
F = State owned
G = State owned, Behind house
H = Other owned, Behind School
I = Other owned, Behind house

Appendix J: Summary of the Individual Project Scores and Initial Ranking

Appendix J: Summary of Individual Project Scores and Initial Ranking

Structural Projects		Weighting	30%	30%	10%	20%	10%					
PRJ_ID_LEG	PRJ_TYPE	Subwater-shed	Watershed Impact indicators	Watershed Source Indicators	Location within Priority SW	Sequencing	Implementability	Initial Composite Score	Initial Project Rank	BPJ Score Adjustment	Final Composite Score	Final Project Rank
PC9001	Suite of Projects	PC-SR-0024	4.20	3.75	1	5	5	3.99	8		3.99	13
PC9003	Stormwater Pond Retrofit	PC-SR-0022	3.20	3.00	3	5	1	3.26	84		3.26	76
PC9004	Suite of Projects	PC-SR-0020	4.00	1.50	2	4	1	2.75	126	0.00	2.75	116
PC9007	Stormwater Pond Retrofit	PC-SR-0020	3.20	2.83	2	4	1	2.91	111	0.00	2.91	107
PC9008	Stormwater Pond Retrofit	PC-SR-0026	4.00	3.67	2	5	1	3.60	50	1.00	4.60	2
PC9100	Stormwater Pond Retrofit	PC-PC-0007	3.20	3.17	1	1	5	2.71	131	0.00	2.71	120
PC9101	Stormwater Pond Retrofit	PC-PC-0012	3.20	3.33	1	5	3	3.36	75	0.00	3.36	69
PC9102	Stormwater Pond Retrofit	PC-PC-0009	3.80	3.83	2	5	5	3.99	7	-0.25	3.74	31
PC9103	Stormwater Pond Retrofit	PC-PC-0009	3.40	3.50	2	5	5	3.77	26	0.00	3.77	27
PC9104	Stormwater Pond Retrofit	PC-PC-0009	3.20	3.33	2	5	5	3.66	42	0.00	3.66	45
PC9105	Stormwater Pond Retrofit	PC-PC-0019	3.80	3.67	1	5	3	3.64	48	0.00	3.64	51
PC9106	Stormwater Pond Retrofit	PC-SL-0002	4.00	3.33	3	5	5	4.00	6	0.50	4.50	4
PC9107	Stormwater Pond Retrofit	PC-PC-0021	2.40	2.67	2	4	5	3.02	103	0.00	3.02	97
PC9108	Stormwater Pond Retrofit	PC-SR-0018	2.20	2.83	1	2	5	2.51	151	0.50	3.01	98
PC9109	Stormwater Pond Retrofit	PC-MR-0002	2.40	2.83	2	2	5	2.67	134	0.00	2.67	122
PC9110	Stormwater Pond Retrofit	PC-SR-0013	2.80	3.33	2	5	1	3.14	95	0.00	3.14	88
PC9111	Stormwater Pond Retrofit	PC-PC-0026	1.60	2.17	1	1	3	1.73	176	0.00	1.73	153
PC9112	Stormwater Pond Retrofit	PC-MR-0004	3.00	3.17	2	2	1	2.55	146	0.00	2.55	129
PC9113	Stormwater Pond Retrofit	PC-PC-0026	1.80	2.33	1	1	5	2.04	173	1.00	3.04	95
PC9114	Stormwater Pond Retrofit	PC-PR-0001	2.40	3.33	2	4	5	3.22	88	0.00	3.22	81
PC9115	Stormwater Pond Retrofit	PC-PC-0026	3.00	3.33	1	1	3	2.50	152	0.00	2.50	133
PC9116	Stormwater Pond Retrofit	PC-PC-0026	3.00	3.33	1	1	5	2.70	133	0.00	2.70	121
PC9117	Stormwater Pond Retrofit	PC-PC-0026	3.00	3.33	1	1	1	2.30	163	0.50	2.80	113
PC9118	Stormwater Pond Retrofit	PC-SB-0001	2.80	3.33	3	5	3	3.44	68	-0.50	2.94	104
PC9119	Stormwater Pond Retrofit	PC-PC-0028	3.60	3.50	4	1	5	3.23	86	0.00	3.23	79
PC9120	Stormwater Pond Retrofit	PC-PR-0002	2.80	3.33	1	5	3	3.24	85	0.50	3.74	31
PC9121	Stormwater Pond Retrofit	PC-SR-0020	3.40	3.00	2	4	3	3.22	88	0.00	3.22	81
PC9122	Stormwater Pond Retrofit	PC-PC-0034	3.20	3.67	5	5	3	3.86	20	-1.00	2.86	111
PC9123	Stormwater Pond Retrofit	PC-CY-0002	2.00	2.67	1	4	5	2.80	120	0.50	3.30	73
PC9124	Stormwater Pond Retrofit	PC-OS-0001	3.00	3.33	2	4	5	3.40	70	-0.50	2.90	109
PC9125	Stormwater Pond Retrofit	PC-PC-0050	1.40	2.17	4	5	1	2.57	145	0.50	3.07	93
PC9126	Stormwater Pond Retrofit	PC-PC-0044	2.40	3.17	3	5	5	3.47	66	0.00	3.47	65
PC9127	Stormwater Pond Retrofit	PC-SI-0004	3.40	3.83	3	5	1	3.57	54	0.00	3.57	54
PC9128	Stormwater Pond Retrofit	PC-SI-0006	2.80	3.67	3	5	1	3.34	79	1.00	4.34	7
PC9129	Stormwater Pond Retrofit	PC-SI-0008	1.20	2.00	5	5	5	2.96	108	0.00	2.96	102
PC9130	Stormwater Pond Retrofit	PC-SI-0001	3.40	3.67	4	5	3	3.82	22	0.00	3.82	24
PC9131	Stormwater Pond Retrofit	PC-SI-0001	3.80	4.00	4	5	1	3.84	21	0.00	3.84	23
PC9132	Stormwater Pond Retrofit	PC-PC-0055	3.40	3.67	2	2	5	3.22	87	0.00	3.22	80
PC9133	Stormwater Pond Retrofit	PC-PC-0046	2.00	2.83	4	5	5	3.35	76	0.00	3.35	70
PC9134	Stormwater Pond Retrofit	PC-SI-0015	2.20	2.83	5	4	3	3.11	99	-0.50	2.61	126

Appendix J: Summary of Individual Project Scores and Initial Ranking

Structural Projects		Weighting	30%	30%	10%	20%	10%					
PRJ_ID_LEG	PRJ_TYPE	Subwater-shed	Watershed Impact indicators	Watershed Source Indicators	Location within Priority SW	Sequencing	Implementability	Initial Composite Score	Initial Project Rank	BPJ Score Adjustment	Final Composite Score	Final Project Rank
PC9135	Stormwater Pond Retrofit	PC-RA-0005	3.40	4.17	5	5	1	3.87	17	0.00	3.87	20
PC9136	Stormwater Pond Retrofit	PC-PC-0054	2.40	3.17	5	5	5	3.67	38	-0.50	3.17	84
PC9137	Stormwater Pond Retrofit	PC-RA-0006	2.60	3.17	5	5	3	3.53	57	1.00	4.53	3
PC9138	Stormwater Pond Retrofit	PC-RA-0010	1.40	2.33	4	4	1	2.42	158	0.50	2.92	106
PC9139	Stormwater Pond Retrofit	PC-SI-0016	1.40	2.00	5	5	5	3.02	103	0.50	3.52	59
PC9140	Stormwater Pond Retrofit	PC-RA-0011	3.60	4.17	1	5	3	3.73	30	0.00	3.73	33
PC9200	Stream Restoration	PC-PC-0020	3.78	3.00	2	1	1	2.53	148	0.50	3.03	96
PC9201	Stream Restoration	PC-PC-0021	3.89	3.71	2	4	1	3.38	74	-0.25	3.13	89
PC9202	Suite of Projects	PC-SR-0007	4.00	1.50	4	5	1	3.15	93	1.00	4.15	9
PC9203	Stream Restoration	PC-PC-0023	4.33	3.71	4	5	1	3.91	12	0.00	3.91	16
PC9204	Stream Restoration	PC-SR-0007	3.78	3.43	4	5	1	3.66	41	0.00	3.66	44
PC9205	Stream Restoration	PC-PC-0023	4.11	3.43	4	5	1	3.76	27	0.00	3.76	28
PC9206	Stream Restoration	PC-PC-0023	4.11	3.43	4	5	1	3.76	27	0.00	3.76	28
PC9207	Stream Restoration	PC-SR-0010	3.89	3.14	2	2	1	2.81	119	0.00	2.81	112
PC9208	Stream Restoration	PC-SR-0018	3.33	3.14	1	2	1	2.54	147	0.00	2.54	130
PC9209	Stream Restoration	PC-PC-0025	3.78	3.00	2	1	1	2.53	148	0.00	2.53	131
PC9210	Stream Restoration	PC-SR-0013	3.67	3.57	2	5	1	3.47	65	1.00	4.47	6
PC9211	Suite of Projects	PC-PC-0025	3.78	1.50	2	1	1	2.08	172	0.00	2.08	147
PC9212	Stream Restoration	PC-SR-0015	3.89	3.86	1	5	1	3.52	58	0.00	3.52	58
PC9213	Stream Restoration	PC-PC-0026	3.56	3.71	1	1	1	2.58	142	0.00	2.58	127
PC9214	Stream Restoration	PC-MR-0005	3.44	3.57	1	2	1	2.70	132	-0.50	2.20	143
PC9215	Stream Restoration	PC-MR-0005	3.11	3.14	1	2	1	2.48	154	0.00	2.48	135
PC9216	Stream Restoration	PC-PC-0027	3.78	3.29	2	1	1	2.62	138	0.00	2.62	124
PC9217	Stream Restoration	PC-PC-0027	3.33	2.71	2	1	1	2.31	162	0.00	2.31	140
PC9218	Stream Restoration	PC-PC-0027	3.78	3.29	2	1	1	2.62	138	0.00	2.62	124
PC9219	Stream Restoration	PC-SR-0017	3.33	2.86	1	2	1	2.46	156	0.00	2.46	136
PC9220	Stream Restoration	PC-SR-0023	4.11	3.00	1	2	1	2.73	130	0.25	2.98	100
PC9221	Stream Restoration	PC-SR-0020	3.78	2.57	2	4	1	3.00	106	0.00	3.00	99
PC9222	Stream Restoration	PC-PC-0033	4.11	4.29	4	5	1	4.02	4	0.00	4.02	12
PC9223	Stream Restoration	PC-SR-0022	4.22	3.43	3	5	1	3.70	36	0.00	3.70	40
PC9224	Stream Restoration	PC-SR-0023	3.67	2.43	1	2	1	2.43	157	0.00	2.43	137
PC9225	Stream Restoration	PC-PC-0036	3.78	3.43	4	4	1	3.46	67	-0.50	2.96	101
PC9226	Stream Restoration	PC-PC-0035	4.44	4.29	3	5	1	4.02	5	-0.50	3.52	61
PC9227	Stream Restoration	PC-PC-0044	3.33	3.29	3	5	1	3.39	73	0.00	3.39	68
PC9228	Suite of Projects	PC-PC-0044	4.00	1.50	3	5	1	3.05	101	0.00	3.05	94
PC9229	Stream Restoration	PC-PC-0037	4.11	4.00	5	5	1	4.03	3	1.00	5.03	1
PC9230	Stream Restoration	PC-PC-0050	3.67	3.71	4	5	1	3.71	34	0.00	3.71	37
PC9231	Stream Restoration	PC-PC-0037	3.56	3.29	5	5	1	3.65	43		3.65	46
PC9232	Stream Restoration	PC-PC-0049	4.22	4.00	3	4	1	3.67	39	0.00	3.67	42
PC9233	Stream Restoration	PC-PC-0045	4.00	3.86	3	2	1	3.16	92	0.00	3.16	86

Appendix J: Summary of Individual Project Scores and Initial Ranking

Structural Projects		Weighting	30%	30%	10%	20%	10%					
PRJ_ID_LEG	PRJ_TYPE	Subwater-shed	Watershed Impact indicators	Watershed Source Indicators	Location within Priority SW	Sequencing	Implementability	Initial Composite Score	Initial Project Rank	BPJ Score Adjustment	Final Composite Score	Final Project Rank
PC9234	Stream Restoration	PC-PC-0049	4.22	4.00	3	4	1	3.67	39	0.00	3.67	42
PC9235	Stream Restoration	PC-PC-0041	3.56	3.43	3	5	1	3.50	62	-0.25	3.25	77
PC9236	Stream Restoration	PC-SI-0008	3.56	3.14	5	5	1	3.61	49	0.00	3.61	52
PC9237	Stream Restoration	PC-SI-0007	3.67	3.71	4	4	1	3.51	60		3.51	62
PC9238	Stream Restoration	PC-SI-0007	3.22	3.14	4	4	1	3.21	90	-2.00	1.21	161
PC9239	Stream Restoration	PC-SI-0007	3.33	3.29	4	4	1	3.29	82	0.75	4.04	11
PC9240	Stream Restoration	PC-SI-0009	4.00	3.86	5	5	1	3.96	9	-0.25	3.71	38
PC9241	Stream Restoration	PC-SI-0009	4.00	3.86	5	5	1	3.96	9	0.00	3.96	14
PC9242	Stream Restoration	PC-PC-0049	4.11	3.86	3	4	1	3.59	52	0.00	3.59	53
PC9243	Stream Restoration	PC-SI-0005	3.56	3.00	2	2	1	2.67	136	0.50	3.17	85
PC9244	Stream Restoration	PC-PC-0048	3.78	3.57	2	2	1	2.90	114	-2.00	0.90	166
PC9245	Stream Restoration	PC-PC-0042	4.00	3.57	3	5	1	3.67	37		3.67	41
PC9246	Stream Restoration	PC-SI-0005	3.67	3.14	2	2	1	2.74	128	0.00	2.74	118
PC9247	Suite of Projects	PC-SI-0005	4.00	1.50	2	2	1	2.35	161	-0.50	1.85	152
PC9248	Stream Restoration	PC-RA-0001	3.89	3.71	2	2	1	2.98	107	0.25	3.23	78
PC9249	Stream Restoration	PC-PC-0046	3.89	4.00	4	5	1	3.87	18	0.00	3.87	21
PC9250	Stream Restoration	PC-SI-0010	4.11	3.71	3	4	1	3.55	56	0.00	3.55	57
PC9251	Stream Restoration	PC-PC-0053	4.00	3.43	4	5	1	3.73	31	0.00	3.73	34
PC9252	Stream Restoration	PC-PC-0052	4.00	3.71	4	5	1	3.81	23	0.00	3.81	25
PC9253	Stream Restoration	PC-PC-0052	3.67	3.29	4	5	1	3.59	53	-2.00	1.59	157
PC9254	Stream Restoration	PC-SI-0013	4.00	3.71	5	5	1	3.91	12	0.00	3.91	16
PC9255	Stream Restoration	PC-PC-0053	3.89	3.29	4	5	1	3.65	43		3.65	46
PC9256	Stream Restoration	PC-RA-0004	4.00	4.00	5	4	1	3.80	24	-0.25	3.55	56
PC9257	Stream Restoration	PC-PC-0054	3.89	3.71	5	5	1	3.88	16	0.00	3.88	19
PC9258	Stream Restoration	PC-PC-0054	3.67	3.43	5	5	1	3.73	32	0.00	3.73	35
PC9259	Stream Restoration	PC-RA-0005	4.11	3.71	5	5	1	3.95	11	0.00	3.95	15
PC9260	Stream Restoration	PC-RA-0006	3.78	3.86	5	5	1	3.89	15	0.00	3.89	18
PC9261	Stream Restoration	PC-SI-0015	3.56	3.43	5	4	1	3.50	62	1.00	4.50	5
PC9262	Stream Restoration	PC-SI-0015	3.89	3.86	5	4	1	3.72	33	0.00	3.72	36
PC9263	Stream Restoration	PC-RA-0008	4.22	4.29	4	5	1	4.05	2	0.25	4.30	8
PC9264	Stream Restoration	PC-SI-0016	4.22	3.43	5	5	1	3.90	14	-2.00	1.90	150
PC9265	Stream Restoration	PC-RA-0010	3.67	3.71	4	4	1	3.51	60		3.51	62
PC9266	Stream Restoration	PC-RA-0009	3.44	3.14	3	2	1	2.78	125	0.00	2.78	115
PC9267	Stream Restoration	PC-RA-0009	3.22	2.86	3	2	1	2.62	137		2.62	123
PC9268	Stream Restoration	PC-RA-0013	3.67	4.00	5	4	1	3.70	35		3.70	39
PC9269	Stream Restoration	PC-RA-0014	3.89	4.00	4	5	1	3.87	18		3.87	21
PC9500	BMP/LID	PC-PC-0007	2.20	2.33	1	1	5	2.16	169	0.00	2.16	145
PC9501	BMP/LID	PC-PC-0007	4.00	3.83	1	1	5	3.15	93		3.15	87
PC9502	BMP/LID	PC-PC-0012	2.40	2.67	1	5	5	3.12	97		3.12	90
PC9503	BMP/LID	PC-PC-0013	1.80	1.83	1	1	5	1.89	175		1.89	151

Appendix J: Summary of Individual Project Scores and Initial Ranking

Structural Projects		Weighting	30%	30%	10%	20%	10%					
PRJ_ID_LEG	PRJ_TYPE	Subwater-shed	Watershed Impact indicators	Watershed Source Indicators	Location within Priority SW	Sequencing	Implementability	Initial Composite Score	Initial Project Rank	BPJ Score Adjustment	Final Composite Score	Final Project Rank
PC9504	BMP/LID	PC-PC-0012	1.80	2.17	1	5	5	2.79	123	-2.00	0.79	170
PC9505	BMP/LID	PC-PC-0013	1.80	1.83	1	1	3	1.69	177		1.69	154
PC9506	BMP/LID	PC-SL-0001	2.20	2.17	2	4	5	2.81	118	-2.00	0.81	168
PC9507	BMP/LID	PC-PC-0021	2.20	2.50	2	4	5	2.91	112	-2.00	0.91	165
PC9508	Suite of Projects	PC-SR-0005	1.80	1.50	2	2	5	2.09	171	0.00	2.09	146
PC9509	BMP/LID	PC-SR-0004	2.00	2.67	2	5	5	3.10	100	-2.00	1.10	163
PC9510	Suite of Projects	PC-SR-0011	3.17	0.75	1	2	5	2.18	168	0.00	2.18	144
PC9511	BMP/LID	PC-MR-0005	2.60	3.33	1	2	3	2.58	143	-0.50	2.08	148
PC9512	BMP/LID	PC-PR-0001	1.60	2.67	2	4	5	2.78	124	-2.00	0.78	171
PC9513	BMP/LID	PC-PC-0028	1.80	2.00	4	1	5	2.24	165	-2.00	0.24	176
PC9514	BMP/LID	PC-PC-0028	2.20	2.33	4	1	5	2.46	155	-2.00	0.46	174
PC9515	Suite of Projects	PC-MR-0006	1.80	2.25	3	5	5	3.02	105	0.25	3.27	75
PC9516	BMP/LID	PC-PC-0033	2.00	2.83	4	5	5	3.35	76	-2.00	1.35	159
PC9517	Suite of Projects	PC-PR-0002	2.20	1.75	1	5	3	2.59	141	0.50	3.09	92
PC9518	BMP/LID	PC-PR-0002	2.00	2.67	1	5	3	2.80	120	-2.00	0.80	169
PC9519	Suite of Projects	PC-PC-0028	2.20	1.50	4	1	5	2.21	166		2.21	142
PC9520	BMP/LID	PC-PC-0029	2.20	2.33	3	1	5	2.36	160	-2.00	0.36	175
PC9521	BMP/LID	PC-PC-0029	2.00	2.17	3	1	5	2.25	164	0.00	2.25	141
PC9522	BMP/LID	PC-PC-0031	1.60	2.17	3	1	3	1.93	174	0.00	1.93	149
PC9523	BMP/LID	PC-CY-0002	1.60	2.33	1	4	1	2.18	167	-2.00	0.18	177
PC9524	BMP/LID	PC-CY-0003	2.20	2.83	1	5	3	2.91	112		2.91	108
PC9525	BMP/LID	PC-PC-0039	3.20	3.67	4	4	3	3.56	55		3.56	55
PC9526	BMP/LID	PC-OS-0001	1.40	2.00	2	4	5	2.52	150		2.52	132
PC9527	BMP/LID	PC-PC-0044	1.80	2.67	3	5	5	3.14	96	-2.00	1.14	162
PC9528	BMP/LID	PC-PC-0049	2.20	2.33	3	4	5	2.96	108	0.00	2.96	102
PC9529	BMP/LID	PC-PC-0035	2.20	2.17	3	5	5	3.11	98	0.00	3.11	91
PC9530	BMP/LID	PC-PC-0049	2.00	2.17	3	4	5	2.85	117	-2.00	0.85	167
PC9531	Suite of Projects	PC-SI-0004	2.60	2.75	3	5	3	3.21	91	0.00	3.21	83
PC9532	BMP/LID	PC-PC-0035	1.80	1.83	3	5	5	2.89	116	-0.50	2.39	138
PC9533	BMP/LID	PC-SR-0026	2.80	2.67	2	5	5	3.34	80	-2.00	1.34	160
PC9534	BMP/LID	PC-SI-0003	2.80	3.67	3	4	3	3.34	80	0.00	3.34	72
PC9535	BMP/LID	PC-SI-0008	2.00	2.67	5	5	5	3.40	71	0.00	3.40	67
PC9536	Suite of Projects	PC-SI-0006	1.00	0.75	3	5	3	2.13	170	-0.50	1.63	155
PC9537	BMP/LID	PC-PC-0040	1.60	2.33	3	4	3	2.58	143	0.00	2.58	128
PC9538	BMP/LID	PC-SI-0009	2.00	2.67	5	5	5	3.40	71	-2.00	1.40	158
PC9539	BMP/LID	PC-SI-0011	3.00	3.67	5	5	3	3.80	25	0.00	3.80	26
PC9540	Suite of Projects	PC-SI-0010	1.80	0.75	3	4	5	2.37	159		2.37	139
PC9541	BMP/LID	PC-SI-0012	2.00	2.83	3	4	5	3.05	102	-2.00	1.05	164
PC9542	Suite of Projects	PC-PC-0046	1.20	0.75	4	5	5	2.49	153		2.49	134
PC9543	BMP/LID	PC-PC-0051	2.00	2.33	3	4	5	2.90	115		2.90	109

Appendix J: Summary of Individual Project Scores and Initial Ranking

Structural Projects		Weighting	30%	30%	10%	20%	10%					
PRJ_ID_LEG	PRJ_TYPE	Subwater-shed	Watershed Impact indicators	Watershed Source Indicators	Location within Priority SW	Sequencing	Implementability	Initial Composite Score	Initial Project Rank	BPJ Score Adjustment	Final Composite Score	Final Project Rank
PC9544	Suite of Projects	PC-PC-0053	3.00	2.25	4	5	5	3.48	64		3.48	64
PC9545	BMP/LID	PC-SI-0014	1.20	2.17	5	4	3	2.61	140	-2.00	0.61	173
PC9546	Suite of Projects	PC-RA-0004	2.00	2.00	5	4	3	2.80	120		2.80	114
PC9547	BMP/LID	PC-RA-0005	2.20	3.17	5	5	3	3.41	69		3.41	66
PC9548	BMP/LID	PC-RA-0006	3.20	3.67	5	5	5	4.06	1		4.06	10
PC9549	BMP/LID	PC-RA-0005	2.40	3.33	5	5	3	3.52	59		3.52	60
PC9550	Suite of Projects	PC-SI-0015	2.20	2.25	5	4	3	2.94	110		2.94	105
PC9551	BMP/LID	PC-SI-0015	1.40	2.17	5	4	3	2.67	134	-2.00	0.67	172
PC9552	BMP/LID	PC-RA-0012	3.00	3.67	3	5	3	3.60	51	-2.00	1.60	156
PC9553	BMP/LID	PC-RA-0012	2.40	3.17	3	5	3	3.27	83		3.27	74
PC9554	BMP/LID	PC-RA-0011	1.80	2.67	1	5	3	2.74	129		2.74	119
PC9700	Outfall Improvement	PC-PC-0013	3.67	2.83	1	3	1	2.75	126		2.75	116
PC9701	Outfall Improvement	PC-PC-0019	3.50	3.67	1	5	1	3.35	76		3.35	70
PC9702	Outfall Improvement	PC-SI-0009	3.33	3.50	5	5	1	3.65	45		3.65	48
PC9703	Outfall Improvement	PC-SI-0001	3.67	3.50	4	5	1	3.65	45		3.65	48
PC9704	Outfall Improvement	PC-PC-0046	3.50	3.67	4	5	1	3.65	45		3.65	48
PC9705	Outfall Improvement	PC-SI-0011	3.50	3.67	5	5	1	3.75	29		3.75	30

Appendix K: Non-Structural Qualitative Analysis

Appendix K: Non-Structural Qualitative Analysis

PRJ_ID _LEG	PRJ_TYPE	Sub-watershed	Detailed Description	Project Ranking Comments	Project Cost	# of Flood Complaints	**Flood Complaints Score**	SWR TSS Metric (Tons/ac/yr)	SWR FWO TSS Score	**FWO TSS Score**	SWR FWO TN Metric (lbs/ac/yr)	SWR FWO TN Score	**FWO TN Score**	SWR FWO TP Metric (lbs/ac/yr)	SWR FWO TP Score	**FWO TP Score**	Average Score	Initial Project Rank	Score Adjustment	**Final Score**	**Final Project Rank**	**Grouped Structural Project Rank**
PC9808	Dumpsite/ Obstruction Removal	PC-MR-0002	Obstruction between north and southbound overpasses on the Fairfax County Parkway, west of Wild Spruce Drive. Primary indicator is flood complains, with field verification. This project proposes to remove the obstructions and restore the stream channel to its natural conditions. This will also improve the function of the stream.	N/A	$ 10,000	7	**4.0**	0.163	2.5	**5.0**	6.615	2.5	**5.0**	1.050	2.5	**4.0**	4.5	1	1.0	**5.50**	**1**	**110**
PC9806	Dumpsite/ Obstruction Removal	PC-SR-0014	This project proposes an obstruction removal in the stream south of Rambling Ridge Road and Wilderness Way. Obstruction was verified during field verification. The removal will restore the stream to its natural conditions and help restore the function of the stream.	WAG does not believe this project is necessary.	$ 10,000	2	**2.0**	0.298	2.5	**5.0**	4.913	5.0	**3.0**	0.848	2.5	**4.0**	3.5	11	1.5	**5.00**	**2**	**110**
PC9815	Street Sweeping Program	PC-SI-0008	This project proposes a street sweeping program between the Fairfax County Parkway and Burke Centre Parkway, west of Roberts Parkway to help reduce the amount of potential pollutants from entering the nearby streams and storm systems. The area is approximately 430 acres and is comprised of single family residential development. There is no existing stormwater quality treatment. There are several streams within the	WAG supports.	#N/A	5	**4.0**	0.358	2.5	**5.0**	7.029	2.5	**5.0**	1.139	2.5	**4.0**	4.5	1	0.2	**4.70**	**3**	**N/A**
PC9818	Street Sweeping Program	PC-SI-0001	This project proposes a street sweeping program east of Zion Road to help reduce the amount of potential pollutants from entering the nearby streams and storm systems. The area is approximately 20 acres and is comprised of dense residential development. There is no existing stormwater quality treatment.	WAG supports.	#N/A	13	**4.0**	0.261	2.5	**5.0**	7.076	2.5	**5.0**	1.057	2.5	**4.0**	4.5	1	0.0	**4.50**	**4**	**N/A**
PC9820	Street Sweeping Program	PC-SI-0011	This project proposes a street sweeping program east of Ox Road to help reduce the amount of potential pollutants from entering the nearby streams and storm systems. The area is approximately 350 acres and is comprised single family residential development. There is no existing stormwater quality treatment. There are streams within the project area.	WAG supports.	#N/A	4	**3.0**	0.777	2.5	**5.0**	7.819	2.5	**5.0**	1.301	2.5	**4.0**	4.3	4	0.2	**4.45**	**5**	**N/A**
PC9811	Dumpsite/ Obstruction Removal	PC-PC-0039	Stream north of Rathlin Drive has obstruction. Primary indicators are flood complains and it has been field verified. This project proposes removal of obstructions blocking the stream channel to restore natural conditions. Removal of obstruction will help restore nature shape and function of the stream.	N/A	$ 10,000	4	**3.0**	0.267	2.5	**5.0**	7.332	2.5	**5.0**	1.109	2.5	**4.0**	4.3	4	0.0	**4.25**	**6**	**N/A**
PC9801	Street Sweeping Program	PC-PC-0013	This project proposes a street sweeping program in the Lorton Station development west of Lorton Station Blvd. to help reduce the amount of potential pollutants from entering the nearby streams and storm systems. The area is approximately 25 acres and is comprised of dense residential development. There is no existing stormwater quality treatment.	Sediment gathered in gutters.	#N/A	2	**2.0**	0.597	2.5	**5.0**	9.061	2.5	**5.0**	1.461	2.5	**4.0**	4.0	6	0.2	**4.20**	**7**	**N/A**

Appendix K: Non-Structural Qualitative Analysis

PRJ_ID _LEG	PRJ_TYPE	Sub-watershed	Detailed Description	Project Ranking Comments	Project Cost	# of Flood Complaints	**Flood Complaints Score**	SWR TSS Metric (Tons/ac/yr)	SWR FWO TSS Score	**FWO TSS Score**	SWR FWO TN Metric (lbs/ac/yr)	SWR FWO TN Score	**FWO TN Score**	SWR FWO TP Metric (lbs/ac/yr)	SWR FWO TP Score	**FWO TP Score**	Average Score	Initial Project Rank	Score Adjustment	**Final Score**	**Final Project Rank**	**Grouped Structural Project Rank**
PC9804	Dumpsite/ Obstruction Removal	PC-PC-0025	Obstruction southeast of Ships Curve Lane. Primary indicators are flood complaints and have been field verified. This project proposes the removal of obstructions blocking the stream channel to restore natural conditions. The removal of such obstructions will help restore the function of the stream.	N/A	$ 10,000	8	**4.0**	0.474	2.5	**5.0**	5.231	5.0	**3.0**	0.948	2.5	**4.0**	4.0	6		**4.00**	**8**	
PC9817	Street Sweeping Program	PC-SI-0005	This project proposes a street sweeping program east of Burke Centre Parkway and west of Roberts Parkway to help reduce the amount of potential pollutants from entering the nearby streams and storm systems. The area is approximately 42 acres and is comprised multifamily residential development. There is no existing stormwater quality treatment. Area is directly upstream of Lake Barton.	WAG supports.	#N/A	1	**1.0**	1.399	2.5	**5.0**	8.046	2.5	**5.0**	1.660	2.5	**4.0**	3.8	8	0.3	**4.00**	**8**	**N/A**
PC9800	Street Sweeping Program	PC-PC-0012	This project proposes a street sweeping program west of Lorton Marketplace Shopping Center to help reduce the amount of potential pollutants from entering the nearby streams and storm systems. The area is approximately 10 acres and is comprised of dense residential development. There is no existing stormwater quality treatment.	Debris in street.	#N/A	1	**1.0**	0.270	2.5	**5.0**	10.842	2.5	**5.0**	1.578	2.5	**4.0**	3.8	8	0.2	**3.95**	**10**	**N/A**
PC9810	Suite of Projects	PC-MR-0004	Obstruction in stream south of Gutman Court, west of Sea Brook Lane. This project proposes the removal of obstruction blocking the stream channel to restore natural conditions. The primary indicator is flood complaints and it has been field verified. Removal of the obstruction will help restore the natural shape and function of the stream. Erosion in stream behind Cottontail Swim and Racquet Club has caused trees and other natural debris to build up in stream causing potential damming. This project proposes the removal of obstructions to restore natural conditions. This will help restore the function of the stream.	Erosion has caused trees and other natural debris to build up in stream, potentially causing damming.	$ 20,000	4	**3.0**	0.131	5.0	**3.0**	5.549	2.5	**5.0**	0.860	2.5	**4.0**	3.8	8	0.0	**3.75**	**11**	**110**
PC9805	Dumpsite/ Obstruction Removal	PC-SR-0014	Portion of stream west (upstream) of culvert under Lee Chapel Road and north of Stony Creek Court had flood complaints and field verification indicated trash and debris obstructions. This project proposes the cleanup of trash in or near the stream channel to help reduce the amount of pollutants from entering adjacent streams and storm systems. The cleanup will help restore the function of the stream.	N/A	#N/A	2	**2.0**	0.298	2.5	**5.0**	4.913	5.0	**3.0**	0.848	2.5	**4.0**	3.5	11	0.0	**3.50**	**12**	**110**
PC9803	Buffer Restoration	PC-SR-0018	Project proposes to re-plant stream buffer south of Lake Mercer and west of Jeffrey Court. Re-planting the buffer will re-establish the RPA. The main indicators are stream bank buffer deficiency and headwater riparian habitat. Increased vegetation from buffer repair will provide additional stream buffer for filtration of pollutants and will reduce runoff by intercepting the water, thereby increasing surface storage and infiltration.	N/A	$ 380,000	3	**2.0**	0.153	2.5	**5.0**	3.311	5.0	**3.0**	0.534	5.0	**3.0**	3.3	13		**3.25**	**13**	

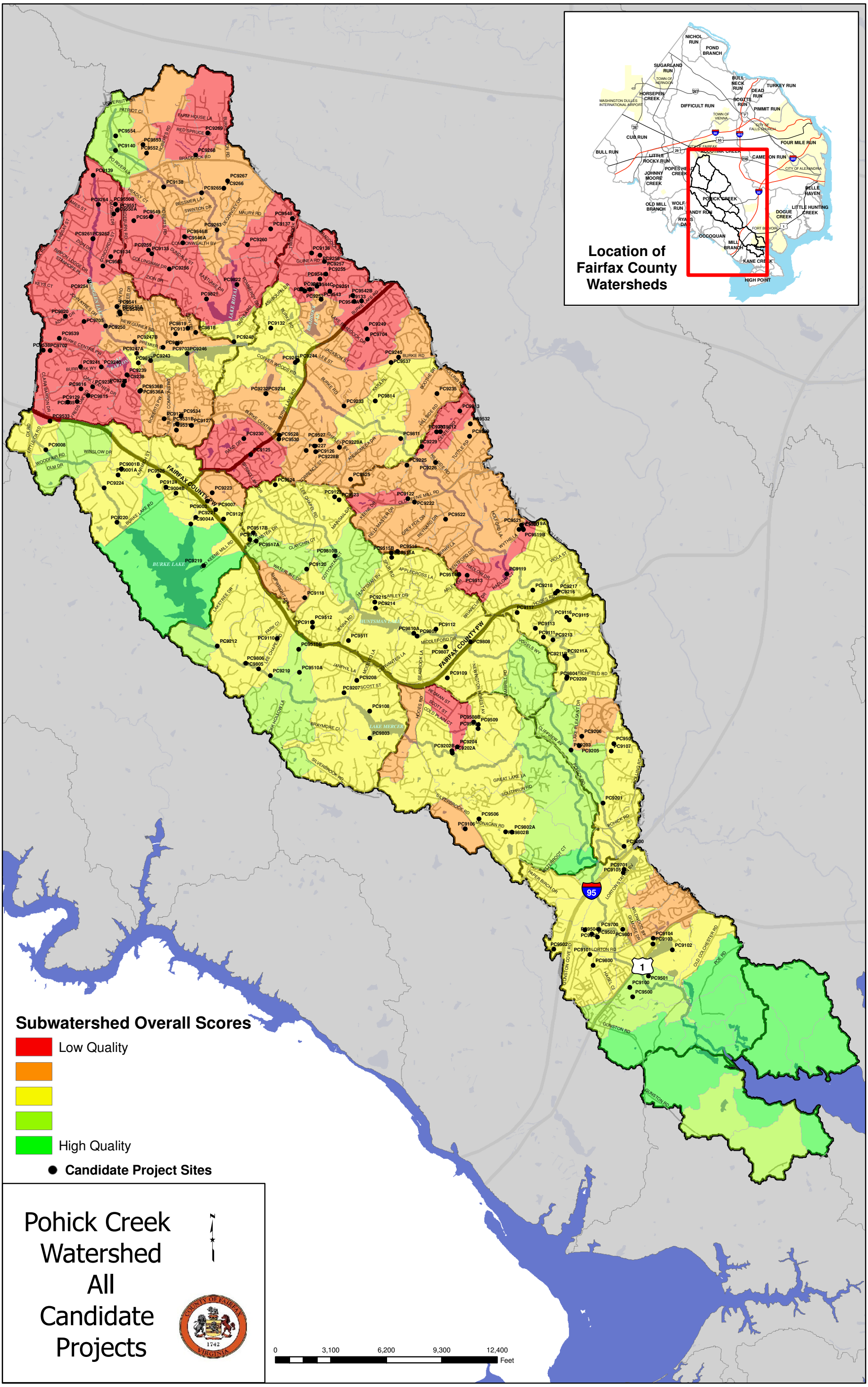
Appendix K: Non-Structural Qualitative Analysis

PRJ_ID _LEG	PRJ_TYPE	Sub-watershed	Detailed Description	Project Ranking Comments	Project Cost	# of Flood Complaints	**Flood Complaints Score**	SWR TSS Metric (Tons/ac/yr)	SWR FWO TSS Score	**FWO TSS Score**	SWR FWO TN Metric (lbs/ac/yr)	SWR FWO TN Score	**FWO TN Score**	SWR FWO TP Metric (lbs/ac/yr)	SWR FWO TP Score	**FWO TP Score**	Average Score	Initial Project Rank	Score Adjustment	**Final Score**	**Final Project Rank**	**Grouped Structural Project Rank**
PC9802	Suite of Projects	PC-SL-0001	A stream north of Sego Lily Court has an apparent obstruction. The indicators are flood complaints and field verification. This project proposes the removal of the obstruction. This will help restore the functions of the stream and alleviate flooding issues. There is another obstruction (PC9801) upstream of this location.	Two dumpsite / obstruction removals	$ 20,000	0	**1.0**	0.103	7.5	**1.0**	4.077	5.0	**3.0**	0.626	2.5	**4.0**	2.3	14	0.0	**2.25**	**14**	**N/A**

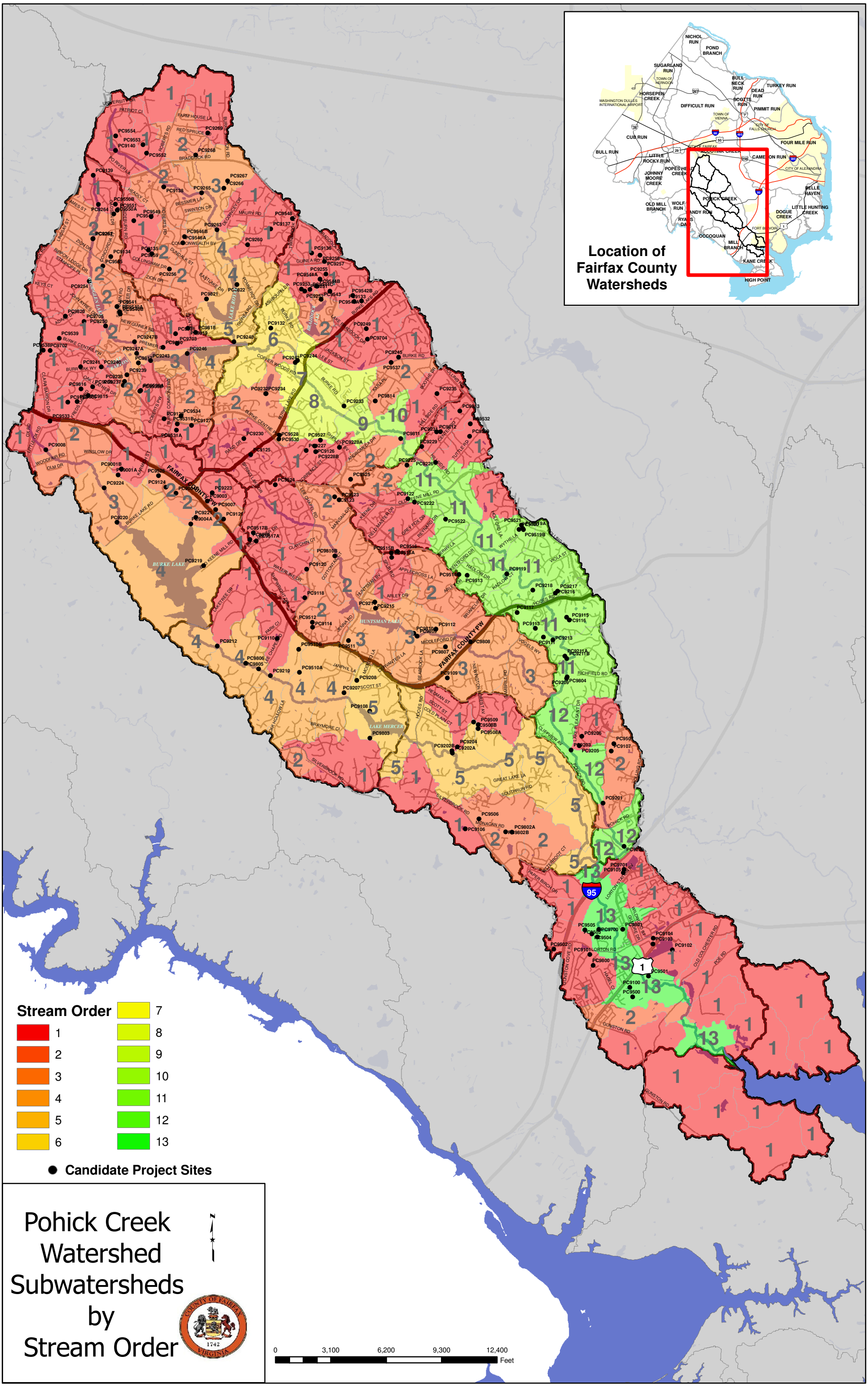
Appendix K: Non-Structural Projects Quantitative Analysis Ranking

		Weighting	30%	30%	10%	20%	10%					
PRJ_ID_LEG	PRJ_TYPE	Sub-watershed	Watershed Impact indicators	Watershed Source Indicators	Location within Priority SW	Sequencing	Implementability	Initial Composite Score	Initial Project Rank	BPJ Score Adjustment	Final Composite Score	Final Project Rank
PC9202B	Buffer Restoration	PC-SR-0007	3.80	3.00	4	5	3	3.74	69	0.00	3.74	76
PC9803	Buffer Restoration	PC-SR-0018	4.50	3.00	1	2	5	3.25	124	0.00	3.25	141
PC9807	Buffer Restoration	PC-MR-0004	4.40	3.00	2	3	3	3.32	115	0.25	3.57	107
PC9809	Buffer Restoration	PC-MR-0004	4.40	3.00	2	3	5	3.52	95	0.00	3.52	114
PC9812	Buffer Restoration	PC-PC-0037	4.00	3.50	5	5	3	4.05	19	0.00	4.05	29
PC9813	Buffer Restoration	PC-PC-0037	4.00	3.50	5	5	3	4.05	19	-0.50	3.55	109
PC9814	Buffer Restoration	PC-PC-0040	4.20	2.50	3	4	3	3.41	106	0.00	3.41	131
PC9816	Buffer Restoration	PC-SI-0008	3.90	3.50	5	5	3	4.02	26	0.00	4.02	32
PC9819	Buffer Restoration	PC-SI-0001	4.50	3.50	4	5	3	4.10	15	-1.00	3.10	155
PC9821	Buffer Restoration	PC-RA-0003	4.30	3.50	4	4	5	4.04	22	-0.50	3.54	111
PC9822	Buffer Restoration	PC-RA-0002	4.50	3.50	4	2	3	3.50	98	0.25	3.75	75

Appendix L: Pohick Creek Watershed All Candidate Projects Map


Location of Fairfax County Watersheds
NICHOL RUN
POND BRANCH
SUGARLAND RUN
TOWN OF HERNDON
BULL NECK RUN
TURKEY RUN
DEAD RUN
HORSEPEN CREEK
WASHINGTON DULLES INTERNATIONAL AIRPORT
DIFFICULT RUN
SCOTTS RUN
PIMMIT RUN
TOWN OF VIENNA
CITY OF FALLS CHURCH
CUB RUN
FOUR MILE RUN
BULL RUN
LITTLE ROCKY RUN
CAMERON RUN
CITY OF ALEXANDRIA
JOHNNY MOORE CREEK
BELLE HAVEN
POHICK CREEK
OLD MILL BRANCH
LITTLE HUNTING CREEK
DOGUE CREEK
OCCOQUAN
MILL BRANCH
KANE CREEK
HIGH POINT
FAIRFAX COUNTY PW
BURKE LAKE
LAKE ROYAL
LAKE MERCER
HUNTSMAN LAKE
Subwatershed Overall Scores
Low Quality
High Quality
Candidate Project Sites
Pohick Creek Watershed All Candidate Projects
0
3,100
6,200
9,300
12,400
Feet

Appendix M: Pohick Creek Watershed Subwatersheds by Stream Orders Map


Location of Fairfax County Watersheds
NICHOL RUN
POND BRANCH
SUGARLAND RUN
TOWN OF HERNDON
BULL NECK RUN
TURKEY RUN
DEAD RUN
HORSEPEN CREEK
WASHINGTON DULLES INTERNATIONAL AIRPORT
DIFFICULT RUN
SCOTTS RUN
PIMMIT RUN
TOWN OF VIENNA
CITY OF FALLS CHURCH
CUB RUN
FOUR MILE RUN
BULL RUN
LITTLE ROCKY RUN
CAMERON RUN
CITY OF ALEXANDRIA
JOHNNY MOORE CREEK
POPES HEAD CREEK
BELLE HAVEN
OLD MILL BRANCH
WOLF RUN
POHICK CREEK
LITTLE HUNTING CREEK
DOGUE CREEK
FORT BELVOIR
OCCOQUAN
MILL BRANCH
KANE CREEK
HIGH POINT
Stream Order
1
2
3
4
5
6
7
8
9
10
11
12
13
Candidate Project Sites
Pohick Creek Watershed Subwatersheds by Stream Order
0
3,100
6,200
9,300
12,400
Feet